



Ohio
Labor
Market
Information

Labor
Market
Review

September 1988

56220-1
11/23/88

Summary. The seasonally adjusted unemployment rate in Ohio increased from 5.6 percent in August to 5.8 percent in September. The national rate declined from 5.6 percent to 5.4 percent. Total employment in Ohio fell 53,000, to 4,947,000, while the number of unemployed Ohioans, at 304,000, was up 6,000. Nonfarm wage and salary employment (seasonally adjusted) in Ohio totaled 4,695,000 in September, up 6,000 from August. (See page 3.)

Factory Employment. Ohio's manufacturing employment rose 1,000 from August, to 1,100,000 in September. Employment in durable goods was unchanged, at 736,000, while nondurable-goods employment increased 1,000, to 363,000.

Nonmanufacturing. Nonmanufacturing employment in Ohio, at 3,595,000 in September, increased 5,000 from August. Services gained 2,000 jobs, while wholesale trade, retail trade, and finance, insurance, and real estate each advanced 1,000. There was no change in employment in mining, construction, transportation and public utilities, or government.

Over the Year. From September 1987 to September 1988, Ohio's unemployment rate rose from 5.6 percent to 5.8 percent. The U.S. rate fell from 5.9 percent to 5.4 percent during the same period. The number of jobless Ohioans increased 14,000, while total employment was up 56,000. Nonagricultural wage and salary employment advanced 98,000 from September 1987. The largest gains were in services (+41,000), retail trade (+24,000), and construction (+14,000). Mining declined 1,000, while all other nonmanufacturing divisions had small increases. Manufacturing employment was up 2,000 over the year, due to additional jobs in nondurable-goods industries.

Factory Hours and Earnings. Manufacturing production workers in Ohio had average weekly earnings of \$523.40 in September, up \$18.42 from August. Their average workweek of 43.4 hours was one hour longer. Except for the food industries, nearly every manufacturing industry had higher earnings. The most significant industries were motor vehicles and equipment, miscellaneous plastics products, metal forgings and stampings, iron and steel foundries, and nonferrous rolling and drawing mills.

Benefits and Costs. There were 36,030 initial claims filed under the Ohio Unemployment Compensation Law in September, down 28.5 percent from August, and down 18.0 percent from September 1987. The average weekly payment increased \$3.45, to \$154.62. Total benefits paid, at \$35.2 million, decreased 10.1 percent from August. The average weekly number of benefit recipients fell 8.2 percent from August, to 53,834. At the end of September, there were 201,088 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 36,557 new job applicants in September, down 12.3 percent from August, and down 10.2 percent from September 1987. There were 12,301 job openings received from employers, down 38.7 percent from August, and down 12.4 percent from September 1987. The Employment Services Division made 26,723 job referrals and 6,724 placements.

The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1988 through September 30, 1989.

See pages 14 and 15 for listings of cities and counties.

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**Seasonally Adjusted Civilian Labor Force
& Nonagricultural Wage & Salary Employment
Estimates for Ohio^a**

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Sep. 1988	Aug. 1988	Sep. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,251	5,298	5,181	-47	70	-0.9	1.4
Employment	4,947	5,000	4,891	-53	56	-1.1	1.1
Unemployment	304	298	290	6	14	2.0	4.8
Unemployment Rate	5.8	5.6	5.6				
Employer Survey Data^e							
Total	4,695	4,689	4,597	6	98	0.1	2.1
Manufacturing	1,100	1,098	1,097	1	2	0.1	0.2
Durable Goods	736	736	737	0	-1	0.0	-0.1
Nondurable Goods	363	362	360	1	3	0.3	0.8
Nonmanufacturing	3,595	3,591	3,500	5	96	0.1	2.7
Mining	20	20	21	0	-1	-0.5	-4.3
Construction	191	191	178	0	14	0.2	7.6
Transportation and Public Utilities	210	210	207	0	3	0.2	1.5
Wholesale Trade	258	257	251	1	7	0.3	2.8
Retail Trade	876	875	852	1	24	0.1	2.8
Finance, Insurance, and Real Estate	252	252	245	1	7	0.2	3.0
Services	1,100	1,098	1,060	2	41	0.2	3.8
Government	688	688	686	0	1	-0.1	0.2
Goods Producing Industries ^f	1,311	1,310	1,296	1	15	0.1	1.2
Service Producing Industries ^g	3,384	3,379	3,301	5	83	0.1	2.5

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. ^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. ^fIncludes Mining, Construction, and Manufacturing. ^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.		Manufacturing			
							Durable	Nondurable	
5,174	4,737	437	8.4	7.0	1986				
5,230	4,813	417	8.0	6.9	September	4,484	1,098	742	356
5,265	4,868	397	7.5	6.9	October	4,495	1,098	740	358
5,275	4,854	421	8.0	6.7	November	4,509	1,102	744	358
					December	4,521	1,103	745	357
5,276	4,849	427	8.1	6.7	1987				
5,295	4,850	445	8.4	6.6	January	4,532	1,096	740	356
5,237	4,838	399	7.6	6.5	February	4,549	1,099	742	357
5,236	4,854	382	7.3	6.3	March	4,552	1,093	737	356
5,277	4,884	393	7.4	6.3	April	4,552	1,096	738	357
5,251	4,874	377	7.2	6.1	May	4,560	1,094	736	357
5,252	4,886	366	7.0	6.0	June	4,568	1,092	735	357
5,234	4,873	361	6.9	6.0	July	4,567	1,082	725	358
5,181	4,891	290	5.6	5.9	August	4,589	1,095	734	360
5,215	4,900	315	6.0	6.0	September	4,597	1,097	737	360
5,263	4,945	318	6.0	5.9	October	4,610	1,097	736	361
5,264	4,937	327	6.2	5.8	November	4,626	1,100	738	362
					December	4,639	1,103	739	364
5,330	4,983	347	6.5	5.8	1988				
5,355	5,013	342	6.4	5.7	January	4,654	1,104	739	366
5,369	4,958	411	7.7	5.6	February	4,665	1,102	737	364
5,277	4,945	332	6.3	5.4	March	4,667	1,096	732	364
5,248	4,922	326	6.2	5.6	April	4,667	1,099	736	363
5,271	4,959	312	5.9	5.3	May	4,673	1,099	736	362
5,252	4,973	279	5.3	5.4	June	4,682	1,100	737	363
5,298	5,000	298	5.6	5.6	July	4,687	1,099	736	363
5,251	4,947	304	5.8	5.4	August	4,689	1,098	736	362
					September	4,695	1,100	736	363

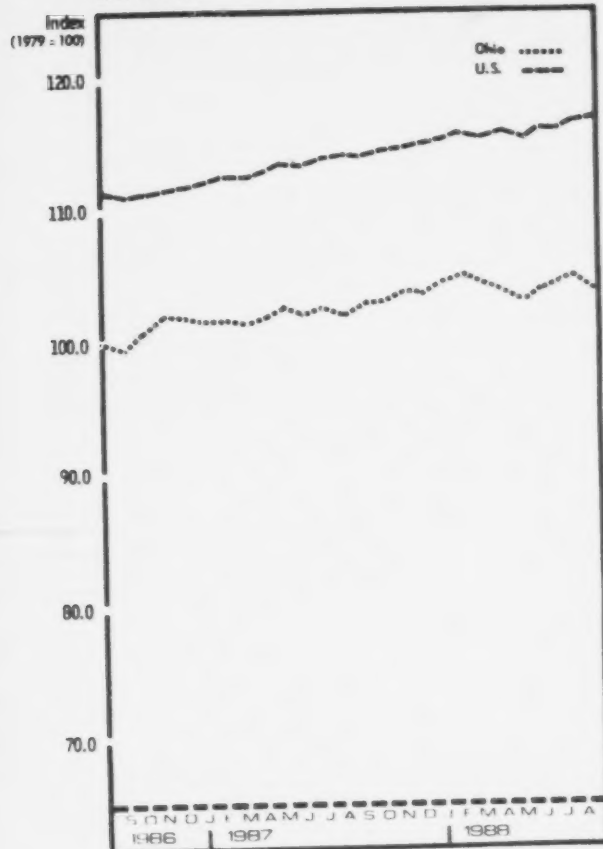
Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,385	21	161	204	244	1986				
3,397	22	163	205	244	September	825	235	1012	683
3,406	22	164	206	244	October	827	237	1017	683
3,418	22	166	206	244	November	828	238	1023	682
					December	830	239	1028	684
3,436	22	173	206	245	1987				
3,451	22	174	206	246	January	836	239	1029	686
3,459	21	175	206	246	February	842	240	1035	686
3,457	21	173	206	247	March	845	241	1038	687
3,467	21	174	207	248	April	841	241	1040	687
3,476	21	175	207	248	May	844	242	1044	687
3,484	21	176	207	249	June	845	243	1049	688
3,494	21	177	207	250	July	847	244	1054	686
3,500	21	178	207	251	August	850	245	1057	688
3,514	20	180	208	251	September	852	245	1060	686
3,526	20	182	207	252	October	855	246	1064	690
3,536	20	185	208	253	November	857	246	1069	692
					December	859	247	1072	693
3,550	20	191	208	253	1988				
3,563	20	192	207	254	January	864	248	1075	689
3,572	20	192	208	254	February	869	249	1079	692
3,568	20	191	209	254	March	870	249	1084	694
3,574	20	190	209	254	April	868	250	1084	693
3,582	20	191	209	256	May	869	250	1088	693
3,588	20	191	210	256	June	870	250	1092	694
3,591	20	191	210	257	July	873	251	1094	693
3,595	20	191	210	258	August	875	252	1098	688
					September	876	252	1100	688

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

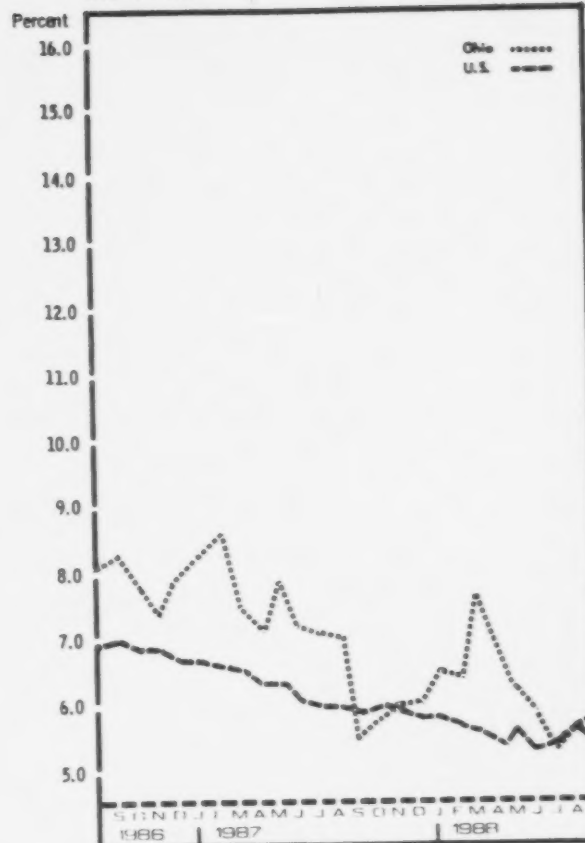
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.

(Seasonally Adjusted)

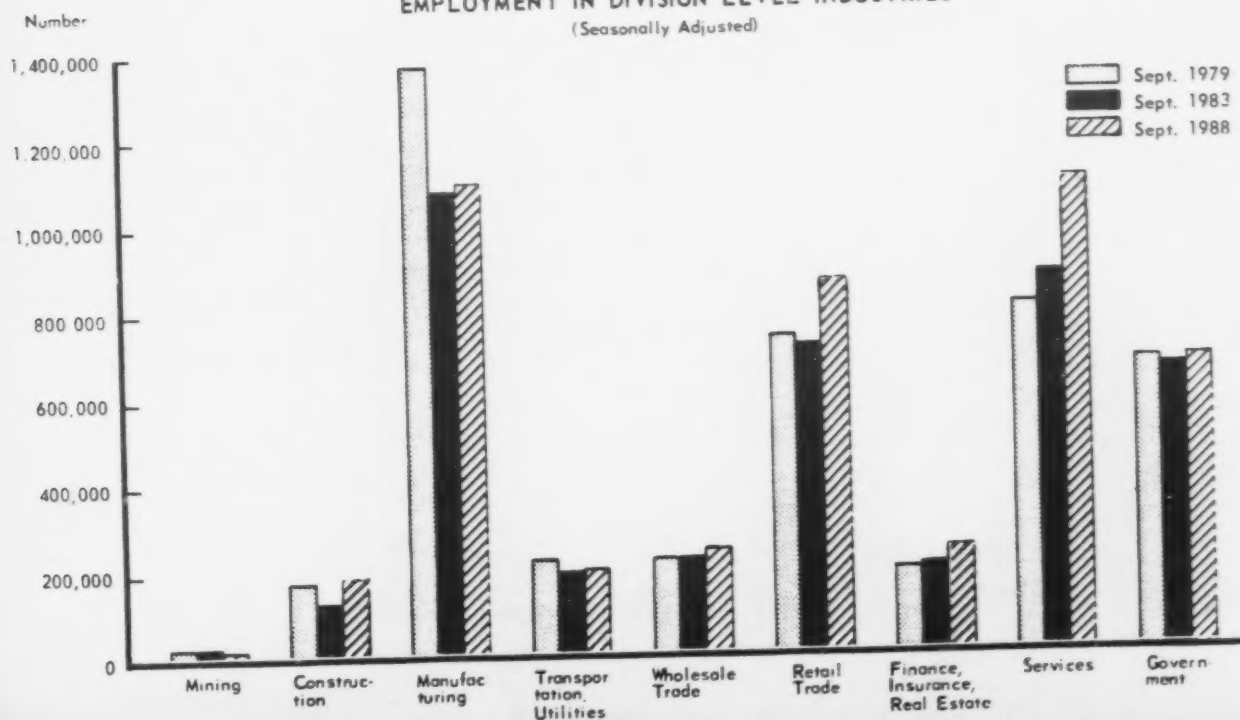


UNEMPLOYMENT RATES
OHIO AND U.S.

(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
5,190	4,903	288	5.5	5.7	1987 September
5,243	4,940	302	5.8	5.7	1987 October
5,285	4,980	305	5.8	5.6	1987 November
5,259	4,937	322	6.1	5.4	1987 December
5,258	4,883	375	7.1	6.3	1988 January
5,279	4,905	374	7.1	6.2	1988 February
5,295	4,879	416	7.9	5.9	1988 March
5,257	4,941	316	6.0	5.3	1988 April
5,243	4,941	302	5.8	5.4	1988 May
5,325	5,002	323	6.1	5.5	1988 June
5,336	5,064	272	5.1	5.5	1988 July
5,343	5,044	299	5.6	5.4	1988 August
5,251	4,952	300	5.7	5.2	1988 September

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Total Nonagricultural				
Manufacturing				
	Durable	Nondurable		
4,230.1	1,344.1	945.2	398.9	1977
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,578.9	1,095.3	736.4	358.9	1987
4,641.3	1,108.3	742.1	366.2	1987 September
4,658.8	1,099.8	736.4	363.4	1987 October
4,674.2	1,103.7	740.2	363.6	1987 November
4,676.9	1,102.9	738.6	364.3	1987 December
4,565.8	1,094.5	732.6	361.9	1988 January
4,568.8	1,092.4	732.3	360.1	1988 February
4,595.8	1,088.8	729.0	359.7	1988 March
4,653.9	1,097.7	737.1	360.6	1988 April
4,704.6	1,099.7	738.4	361.3	1988 May
4,728.6	1,106.7	742.1	364.7	1988 June
4,692.8	1,100.0	736.6	363.3	1988 July
4,693.3	1,101.2	735.6	365.6	1988 August
4,740.4	1,110.8	741.6	369.3	1988 September

Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	847.7	243.1	1,051.2	688.1
3,533.0	21.4	196.4	209.3	251.2	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	887.8	246.7	1,064.7	708.9
3,471.3	20.1	163.5	203.3	250.9	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	878.8	253.9	1,108.4	653.2
3,592.0	20.5	212.2	211.7	258.1	883.8	254.4	1,110.1	641.3
3,629.5	20.5	211.3	212.4	258.2	885.3	253.2	1,114.8	673.9

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing		
	Durable Goods	Nondurable Goods
1,344.1	945.2	398.9
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,095.3	736.4	358.9
1987		
1,108.3	742.1	366.2
1,099.8	736.4	363.4
1,103.7	740.2	363.6
1,102.9	738.6	364.3
1988		
1,094.5	732.6	361.9
1,092.4	732.3	360.1
1,088.8	729.0	359.7
1,097.7	737.1	360.6
1,099.7	738.4	361.3
1,106.7	742.1	364.7
1,100.0	736.6	363.3
1,101.2	735.6	365.6
1,110.8	741.6	369.3

Production Workers in Manufacturing

Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
958.0	\$271.2	40.2
985.5	302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
748.5	374.0	31.9
1987		
760.8	380.5	32.4
753.7	380.3	32.3
759.0	388.2	32.8
758.6	388.9	32.8
1988		
750.1	380.8	32.1
748.5	376.4	31.7
744.5	378.6	31.8
752.3	388.8	32.4
754.3	389.5	32.4
759.3	396.2	32.9
751.9	377.8	31.8
753.6	380.6	32.0
763.7	399.7	33.1

Production Workers Average Weekly Earnings

Manufacturing		
	Durable Goods	Nondurable Goods
\$283.08	\$292.02	\$258.34
306.91	316.83	279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.33	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
1987		
500.12	516.67	461.92
504.50	524.02	461.07
511.49	531.57	466.90
512.67	532.36	469.27
1988		
507.61	527.11	464.45
502.86	525.16	454.27
508.56	530.56	460.74
516.86	538.22	465.89
516.43	540.27	460.90
521.77	547.87	464.62
502.52	521.85	461.47
504.98	525.21	460.22
523.40	547.06	470.05

Production Workers Average Weekly Hours

Manufacturing		
	Durable Goods	Nondurable Goods
42.0	42.2	41.4
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
1987		
42.6	42.7	42.3
42.9	43.2	42.3
43.2	43.5	42.6
43.3	43.6	42.7
1988		
42.8	43.1	42.3
42.4	42.8	41.6
42.7	43.1	42.0
43.0	43.3	42.2
43.0	43.5	41.9
43.3	43.9	42.2
42.3	42.6	41.8
42.4	42.7	41.8
43.4	43.8	42.5

Production Workers Average Hourly Earnings

Manufacturing		
	Durable Goods	Nondurable Goods
\$6.74	\$6.92	\$6.24
7.29	7.49	6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
1987		
11.74	12.10	10.92
11.76	12.13	10.90
11.84	12.22	10.96
11.84	12.21	10.99
1988		
11.86	12.23	10.98
11.86	12.27	10.92
11.91	12.31	10.97
12.02	12.43	11.04
12.01	12.42	11.00
12.05	12.48	11.01
11.88	12.25	11.04
11.91	12.30	11.01
12.06	12.49	11.06

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment

(in thousands)

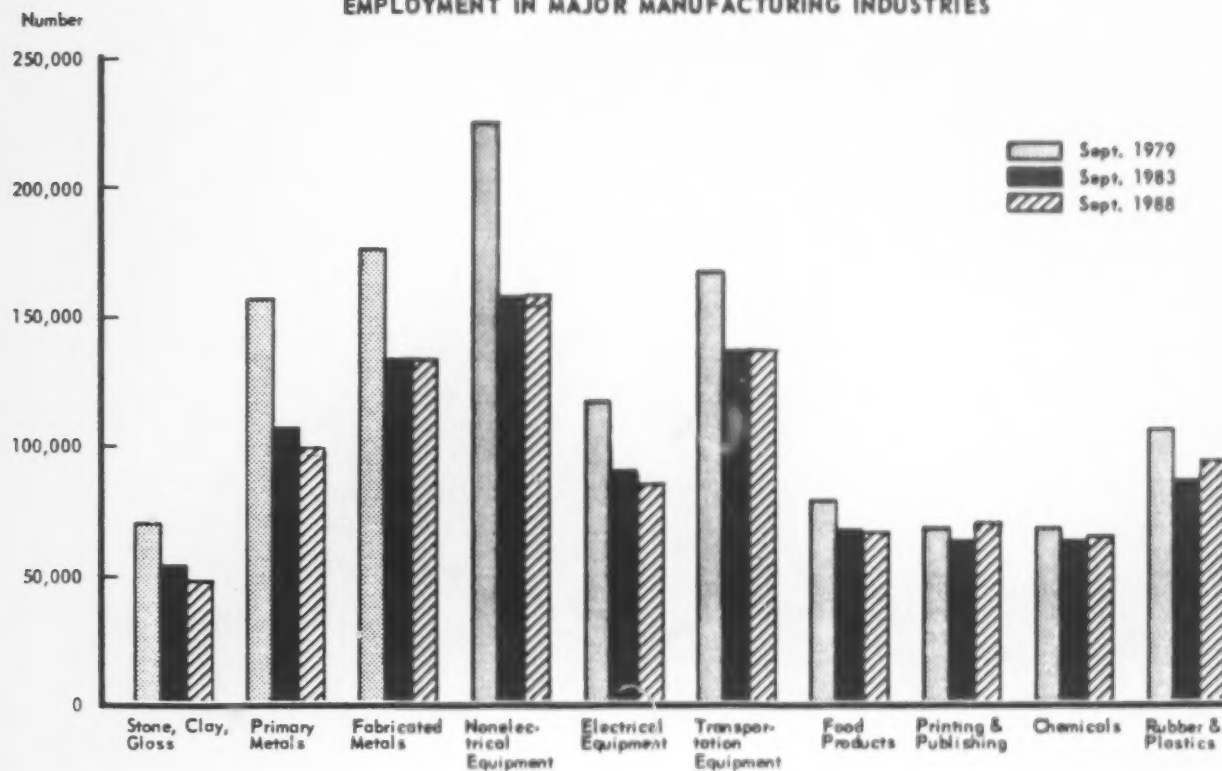
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
1987										
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
1988										
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.7	100.7	135.1	September	158.5	85.4	138.0	September	67.4	71.5	94.5

Average Weekly Earnings of Production Workers

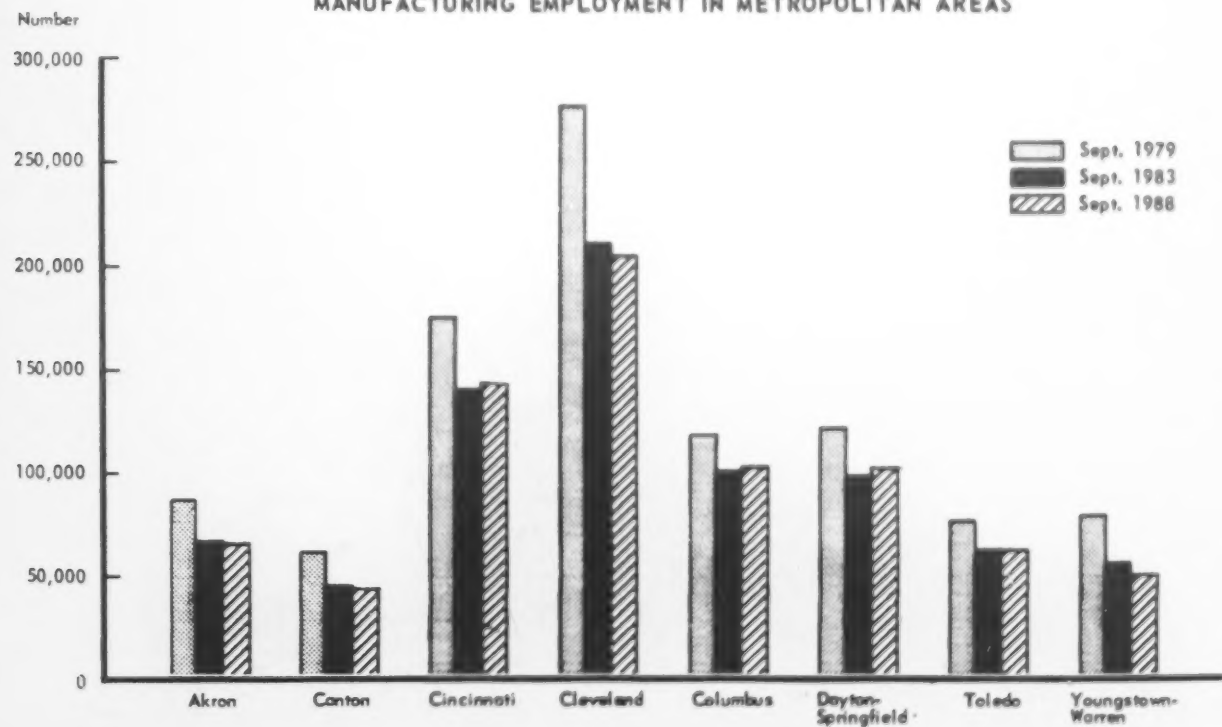
\$253.95	\$329.54	\$290.44	1977	\$279.18	\$248.44	\$359.20	1977	\$258.54	\$271.96	\$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
1987										
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
1988										
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
471.28	636.96	522.10	September	527.35	479.68	694.27	September	446.68	452.53	453.35

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	4740.4	4693.3	4641.3	47.1	99.1
MANUFACTURING	1110.8	1101.2	1108.3	9.6	2.5
Durable Goods ^e	741.6	735.6	742.1	5.9	-.5
Lumber and wood products	22.9	22.7	20.4	.2	2.5
Furniture and fixtures	14.4	14.2	14.9	.2	-.5
Stone, clay, and glass products	48.7	49.0	48.5	-.3	.2
Glass and glassware, pressed or blown	9.5	9.6	9.9	-.1	-.3
Primary metal industries	100.7	98.3	97.2	2.3	3.4
Blast furnace and basic steel products	45.4	45.3	43.4	.1	2.0
Iron and steel foundries	21.8	20.7	20.3	1.1	1.6
Nonferrous rolling and drawing	18.2	17.4	18.1	.8	.1
Fabricated metal products	135.1	132.3	134.5	2.7	.5
Cutlery, hand tools, and hardware	9.9	9.7	9.6	.2	.3
Fabricated structural metal products	28.6	27.7	29.8	1.0	- 1.2
Metal forgings and stampings	42.6	41.2	42.4	1.3	.2
Machinery, except electrical	158.5	157.1	155.2	1.3	3.3
Construction and related machinery	12.7	12.9	12.3	-.2	.4
Metalworking machinery	40.2	40.3	39.9	.0	.3
Special industry machinery	17.9	17.7	16.7	.2	1.2
General industrial machinery	28.1	27.8	27.5	.3	.6
Office and computing machines	13.3	13.2	13.7	.1	-.4
Refrigeration and service machinery	15.8	15.4	16.4	.4	-.5
Electric and electronic equipment	85.4	85.2	86.4	.3	- 1.0
Electrical industrial apparatus	17.1	17.0	16.0	.1	1.1
Household appliances	15.4	15.3	16.4	.0	- 1.0
Electric lighting and wiring equipment	17.1	16.8	16.8	.3	.3
Communication equipment	9.9	9.8	10.2	.1	-.3
Transportation equipment	138.0	139.1	147.4	- 1.1	- 9.5
Motor vehicles and equipment	91.4	91.1	94.7	.3	- 3.3
Aircraft and parts	37.6	39.1	43.0	- 1.6	- 5.5
Instruments and related products	23.5	23.4	23.1	.2	.5
Measuring and controlling devices	12.9	12.8	12.8	.2	.1
Nondurable Goods ^f	369.3	365.6	366.2	3.7	3.0
Food and kindred products	67.4	64.9	67.7	2.5	-.3
Meat products	9.3	9.4	9.9	-.1	-.5
Dairy products	11.0	11.1	10.7	-.1	.4
Preserved fruits and vegetables	13.7	11.0	13.8	2.7	-.1
Bakery products	9.4	9.3	9.3	.2	.1
Beverages	9.7	9.8	9.7	-.1	.0
Apparel and other textile products	16.8	16.5	16.3	.3	.5
Paper and allied products	37.7	37.4	37.5	.3	.2
Misc. converted paper products	12.5	12.2	12.2	.3	.3
Paperboard containers and boxes	13.0	13.1	13.1	-.1	-.1
Printing and publishing	71.5	71.2	70.8	.3	.7
Newspapers	19.3	19.3	19.3	.1	.0
Commercial printing	26.6	26.3	26.5	.2	.1
Chemicals and allied products	64.4	64.5	63.7	-.1	.7
Industrial inorganic chemicals	9.3	9.3	9.4	.0	-.1
Rubber and misc. plastics products	94.5	94.0	93.4	.5	1.1
Tires and inner tubes	17.2	17.2	17.3	.1	-.1
Miscellaneous plastics products	56.4	56.1	55.4	.3	1.0

See footnotes on page 13.

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
NONMANUFACTURING	3629.5	3592.0	3533.0	37.5	96.6
MINING	20.5	20.5	21.4	.0	-.9
Bituminous coal and lignite mining	8.5	8.5	9.3	.0	-.7
Oil and gas extraction	6.9	6.8	6.9	.1	.0
CONSTRUCTION	211.3	212.2	196.4	-.9	15.0
General building contractors	52.3	52.9	48.2	-.5	4.1
Heavy construction contractors	30.2	30.1	27.7	.1	2.5
Highway and street construction	14.5	14.5	12.7	-.1	1.7
Special trade contractors	128.8	129.3	120.5	-.5	8.3
TRANSPORTATION AND PUBLIC UTILITIES	212.4	211.7	209.3	.7	3.0
Railroad transportation	13.4	13.6	14.2	-.1	-.8
Transportation, except railroads	109.4	108.0	105.4	1.4	4.1
Trucking and warehousing	75.4	74.6	73.4	.7	2.0
Communication, electric, gas services ..	89.5	90.1	89.8	-.6	-.3
Communication	47.5	47.7	47.6	-.3	-.1
Electric, gas, and sanitary services ..	42.0	42.4	42.2	-.3	-.2
WHOLESALE TRADE	258.2	258.1	251.2	.1	7.0
Wholesale trade-durable goods	162.2	162.3	157.8	-.1	4.4
Motor vehicles & automotive equipment ..	22.4	22.4	22.0	.0	.4
Electrical goods	19.4	19.5	19.3	-.1	.1
Machinery, equipment, and supplies ...	69.2	69.2	67.5	.0	1.7
Wholesale trade-nondurable goods	96.0	95.8	93.4	.2	2.6
Groceries and related products	30.2	30.1	29.3	.1	.8
RETAIL TRADE	885.3	883.8	861.1	1.5	24.2
General merchandise stores	119.3	117.9	118.2	1.4	1.1
Department stores	103.3	102.2	102.8	1.1	.5
Food stores	135.9	134.9	132.6	1.1	3.4
Automotive dealers & service stations ..	97.4	97.5	94.5	-.1	2.9
Apparel and accessory stores	44.4	44.2	41.8	.2	2.6
Eating and drinking places	313.7	315.1	306.4	- 1.5	7.3
FINANCE, INSURANCE, AND REAL ESTATE	253.2	254.4	246.1	- 1.2	7.1
Banking	64.7	65.1	63.6	-.4	1.1
Credit agencies other than banks	38.3	38.4	37.6	-.2	.7
Insurance carriers	69.5	69.6	68.3	-.1	1.2
Life insurance	25.7	25.7	25.8	.0	.0
Fire, marine, and casualty insurance ..	31.0	31.2	30.2	-.2	.8
SERVICES	1114.8	1110.1	1074.7	4.7	40.0
Hotels and other lodging places	36.9	37.7	35.9	-.9	.9
Personal services	58.4	58.1	56.2	.3	2.2
Laundry, cleaning, & garment services ..	19.5	19.3	19.0	.2	.4
Business services	229.5	229.1	215.6	.4	13.9
Services to buildings	32.3	32.3	30.0	.0	2.3
Computer and data processing services ..	20.9	21.0	19.0	-.1	1.9
Amusement and recreation services	51.4	55.3	50.5	- 3.9	.9
Health services	374.5	374.1	364.6	.5	9.9
Nursing and personal care facilities ..	83.4	83.2	81.0	.2	2.4
Hospitals	180.3	180.1	178.3	.1	2.0
Educational services	58.7	48.4	58.1	10.3	.6
Colleges and universities	30.6	23.5	30.5	7.1	.1
GOVERNMENT	673.9	641.3	672.7	32.6	1.2
Federal government	95.0	94.8	95.1	.2	-.1
State government	146.7	135.8	143.3	11.0	3.5
State government education ¹	72.2	59.5	68.7	12.7	3.5
State government, except education ...	74.6	76.3	74.6	- 1.8	.0
Local government	432.2	410.8	434.4	21.4	- 2.2
Local government education	243.9	216.7	247.4	27.2	- 3.4
Local government, except education ...	188.2	194.1	187.0	- 5.9	1.2

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$523.40	\$504.98	\$500.12	43.4	42.4	42.6	\$12.06	\$11.91	\$11.74
Durable Goods ^e	547.06	525.21	516.67	43.8	42.7	42.7	12.49	12.30	12.10
Lumber and wood products	318.19	319.14	293.46	42.2	41.5	40.2	7.54	7.69	7.30
Furniture and fixtures	384.37	382.47	353.33	42.1	41.8	40.8	9.13	9.15	8.66
Stone, clay, and glass products	471.28	457.69	460.31	43.0	42.3	42.7	10.96	10.82	10.78
Glass and glassware, pressed or blown	523.48	503.96	477.82	44.4	43.0	40.7	11.79	11.72	11.74
Primary metal industries	636.96	619.10	630.20	45.4	44.7	45.7	14.03	13.85	13.79
Blast furnace and basic steel products	650.51	649.80	667.81	45.3	45.6	46.7	14.36	14.25	14.30
Iron and steel foundries	663.43	628.34	616.86	46.2	44.5	44.7	14.36	14.12	13.80
Nonferrous rolling and drawing	672.08	622.34	660.22	44.1	41.6	44.7	15.24	14.96	14.77
Fabricated metal products	522.10	500.83	484.88	43.4	42.3	41.8	12.03	11.84	11.60
Cutlery, hand tools, and hardware	500.14	483.52	456.30	41.3	40.7	39.1	12.11	11.88	11.67
Fabricated structural metal products ..	468.60	456.45	455.18	42.6	42.5	42.7	11.00	10.74	10.66
Metal forgings and stampings	639.36	616.40	585.97	44.4	43.5	42.4	14.40	14.17	13.82
Machinery, except electrical	527.35	508.26	489.41	43.8	43.0	42.3	12.04	11.82	11.57
Construction and related machinery ...	438.90	430.96	410.04	42.0	41.8	40.8	10.45	10.31	10.05
Metalworking machinery	516.18	497.45	477.48	45.2	44.1	42.9	11.42	11.28	11.13
Special industry machinery	530.20	488.75	475.90	45.2	43.1	41.6	11.73	11.34	11.44
General industrial machinery	546.94	522.46	525.64	43.1	42.1	42.7	12.69	12.41	12.31
Office and computing machines	457.97	464.03	428.26	41.9	42.3	43.7	10.93	10.97	9.80
Refrigeration and service machinery ..	612.55	568.43	540.38	44.1	42.2	41.6	13.89	13.47	12.99
Electric and electronic equipment	479.68	464.80	452.08	42.3	41.5	40.4	11.34	11.20	11.19
Electrical industrial apparatus	492.40	489.50	464.12	44.4	44.5	41.7	11.09	11.00	11.13
Household appliances	486.37	481.60	453.53	40.7	40.2	38.5	11.95	11.98	11.78
Electric lighting and wiring equipment ..	502.36	474.29	443.25	42.9	41.1	39.4	11.71	11.54	11.25
Communication equipment	479.35	462.87	492.46	40.9	39.8	40.8	11.72	11.63	12.07
Transportation equipment	694.27	653.17	634.36	45.2	43.4	43.9	15.36	15.05	14.45
Motor vehicles and equipment	727.54	683.08	648.68	45.7	43.9	43.8	15.92	15.56	14.81
Aircraft and parts	601.00	576.71	605.49	43.3	41.7	44.1	13.88	13.83	13.73
Instruments and related products	381.36	366.03	379.55	40.7	39.7	41.3	9.37	9.22	9.19
Measuring and controlling devices	374.92	356.19	354.63	39.8	38.3	38.8	9.42	9.30	9.14
Nondurable Goods ^f	470.05	460.22	461.92	42.5	41.8	42.3	11.06	11.01	10.92
Food and kindred products	446.68	456.22	453.64	42.5	42.4	44.0	10.51	10.76	10.31
Meat products	365.24	370.96	393.13	40.9	40.9	42.5	8.93	9.07	9.25
Dairy products	456.67	458.39	496.30	42.6	42.8	45.2	10.72	10.71	10.98
Preserved fruits and vegetables	461.02	491.62	454.72	44.5	43.2	46.4	10.36	11.38	9.80
Bakery products	464.53	466.88	455.07	39.3	39.6	39.4	11.82	11.79	11.55
Beverages	439.90	454.53	456.38	41.5	42.4	43.3	10.60	10.72	10.54
Apparel and other textile products	311.00	292.04	291.06	40.6	39.2	38.5	7.66	7.45	7.56
Paper and allied products	518.69	484.96	510.98	45.3	43.3	45.3	11.45	11.20	11.28
Misc. converted paper products	449.45	433.00	460.34	44.5	43.3	43.8	10.10	10.00	10.51
Paperboard containers and boxes	456.88	428.26	440.06	44.4	41.7	43.7	10.29	10.27	10.07
Printing and publishing	452.53	445.61	444.24	39.8	39.4	39.7	11.37	11.31	11.19
Newspapers	383.78	370.33	400.75	34.7	34.1	36.8	11.06	10.86	10.89
Commercial printing	459.12	449.49	439.11	41.7	40.9	41.0	11.01	10.99	10.71
Chemicals and allied products	557.26	549.05	542.27	42.8	42.3	42.2	13.02	12.98	12.85
Industrial inorganic chemicals	594.00	589.95	608.96	44.0	43.7	44.0	13.50	13.50	13.84
Rubber and misc. plastics products	453.35	434.84	437.38	43.3	42.3	42.3	10.47	10.28	10.34
Tires and inner tubes	696.38	681.82	664.41	46.8	46.1	46.3	14.88	14.79	14.35
Miscellaneous plastics products	435.59	413.55	413.34	43.0	41.9	41.5	10.13	9.87	9.96

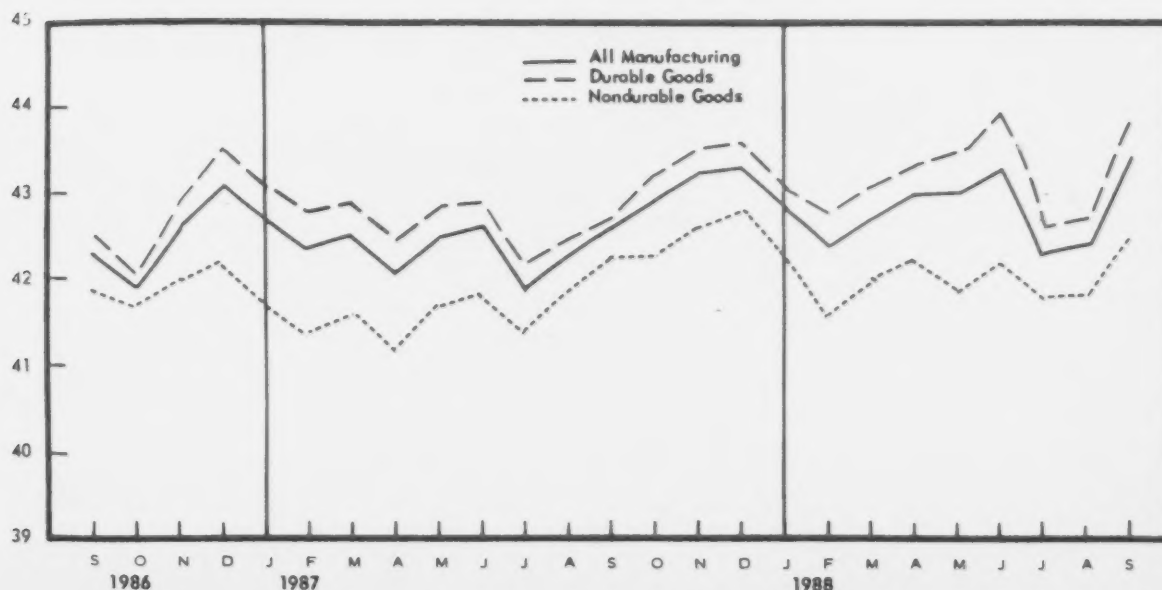
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MINING	\$547.27	\$551.15	\$541.30	43.4	43.5	43.2	\$12.61	\$12.67	\$12.53
Bituminous coal and lignite mining	647.39	672.78	653.26	41.0	42.5	42.2	15.79	15.83	15.48
CONSTRUCTION	609.52	596.69	538.37	40.1	39.7	36.9	15.20	15.03	14.59
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	580.92	582.91	566.50	41.2	41.4	41.2	14.10	14.08	13.75
Communication	565.90	567.85	558.42	40.8	41.0	41.0	13.87	13.85	13.62
Electric, gas, and sanitary services ..	597.79	600.85	576.29	41.6	41.9	41.4	14.37	14.34	13.92
WHOLESALE TRADE	393.28	391.95	382.76	38.9	39.0	39.5	10.11	10.05	9.69
Wholesale trade-durable goods	385.67	385.53	375.14	38.8	39.1	39.2	9.94	9.86	9.57
Wholesale trade-nondurable goods	404.17	403.39	392.83	38.9	38.9	39.8	10.39	10.37	9.87
RETAIL TRADE ^h	168.19	168.48	164.16	28.8	29.2	28.8	5.84	5.77	5.70
General merchandise stores	181.55	178.18	189.00	28.5	28.6	30.0	6.37	6.23	6.30
Department stores	185.33	183.74	195.13	28.6	28.8	30.3	6.48	6.38	6.44
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	264.95	267.91	257.46	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	272.48	276.60	252.70	.....	.....	.....	.....	.....	.....
Insurance carriers	377.39	372.50	348.69	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	340.96	339.99	335.32	33.2	33.3	33.2	10.27	10.21	10.10

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Labor Surplus Areas in Ohio



Designated by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1988 through September 30, 1989. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. A qualifying city is listed below only if the entire county in which it is located does not qualify. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1986 through December 1987 must be at least 8.0 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 8.0 percent.

Questions about Labor Surplus Areas may be directed to: Dixie Sommers, Director, OBES - Labor Market Information Division, 145 S. Front St., Columbus, OH 43215, phone (614) 644-2689, or to one of the Labor Market Analysts in the following areas:

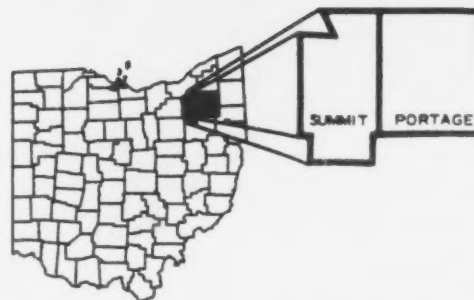
Akron/Canton	Erich Hetzel	(216) 434-2141
Bowling Green	Don Wonnell	(419) 865-7248
Cincinnati	Gary Flesch	(513) 852-3180
Cleveland	Thomas Buescher	(216) 888-6900
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald Curry	(216) 744-5201

Labor Surplus Areas in Ohio

Cities		Dayton	Lima	Middletown
		East Cleveland	Mansfield	Newark
Akron	Canton	Hamilton	Marion	Toledo
Barberton	Cleveland	Lancaster	Massillon	Youngstown

Counties		Henry	Lorain	Portage (less Kent City)
		Highland	Meigs	Putnam
Adams	Darke	Hocking	Monroe	Ross
Ashtabula	Defiance	Huron	Morgan	Sandusky
Belmont	Fayette	Jackson	Morrow	Scioto
Brown	Fulton	Jefferson	Muskingum	Seneca
Carroll	Gallia	Knox	Noble	Trumbull
Columbiana	Guernsey	Lake (less Mentor City)	Ottawa	Tuscarawas
Coshocton	Hardin	Lawrence	Perry	Vinton
Crawford	Harrison	Logan	Pike	Washington

AKRON PRIMARY METROPOLITAN STATISTICAL AREA

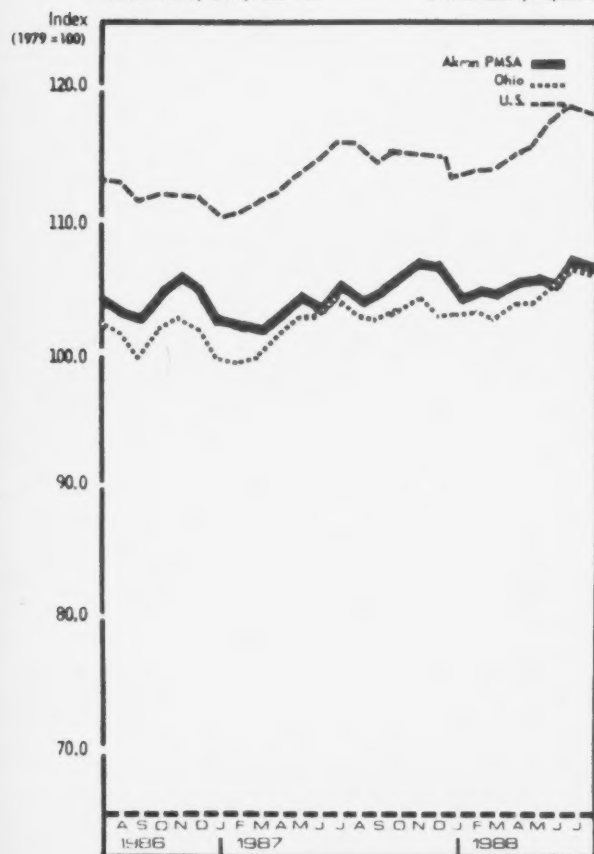


Nonagricultural wage and salary employment in the Akron metropolitan area increased 5,200 from August, to 273,200 in September 1988. The improvement was concentrated in the nonmanufacturing sector, as nonteaching personnel in state and local schools and colleges returned to work following the summer recess. Manufacturing employment added 200 jobs over the month. Growth in fabricated metal products (+1,200) more than offset the effect of a labor-management dispute in transportation equipment. Factory production workers averaged \$11.41 per hour, up \$.13 from August. Their average workweek of 43.6 hours was 1.0 hours longer.

Total nonfarm payroll employment rose 3,900 between September 1987 and September 1988. Primary growth sectors were services and retail trade. Moderate gains were also registered in construction and wholesale trade. The manufacturing workforce declined 1,100 over the year, to 65,900. Gains in nonelectrical machinery and miscellaneous plastics products were negated by reductions in other durable-goods industries.

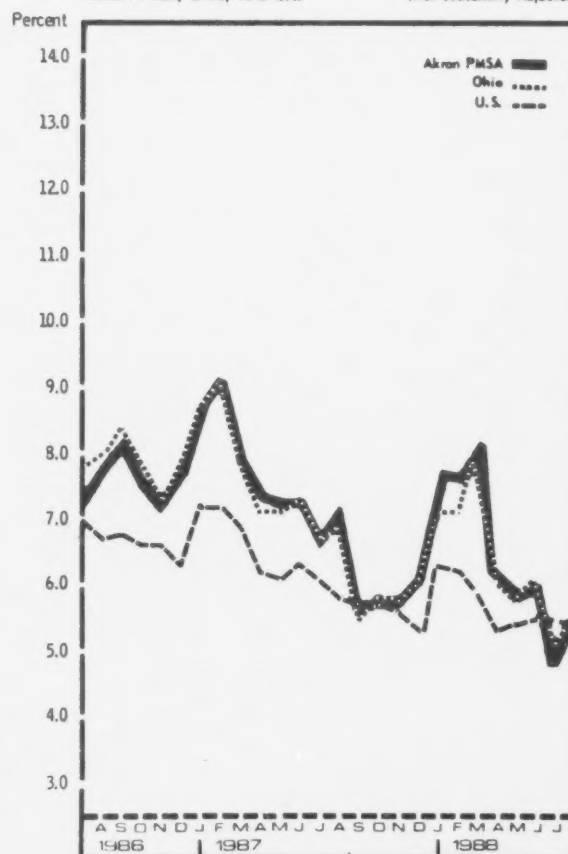
INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

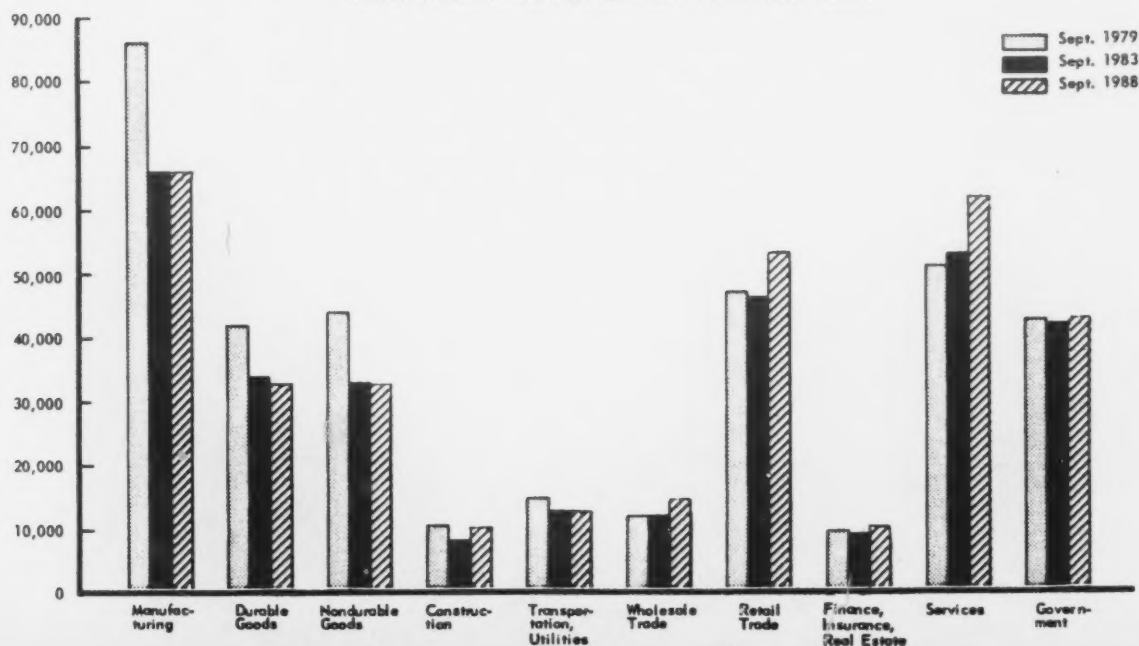


AKRON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
Total		Rate			Hours and Earnings					
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	\$285.53	42.3	\$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.6	303.8	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
INA	INA	INA	INA	September	273.2	65.9	35.8	497.48	43.6	11.41

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	273.2	268.0	269.3	5.2	3.9
MANUFACTURING	65.9	65.8	67.1	.2	- 1.1
Durable Goods ^e	33.1	33.0	34.5	.0	- 1.4
Fabricated metal products	11.1	9.9	11.9	1.2	.8
Machinery, except electrical	10.2	10.1	9.5	.2	.7
Metalworking machinery	3.6	3.6	3.3	.0	.3
Nondurable Goods ^f	32.9	32.7	32.6	.1	.3
Food and kindred products	3.0	3.1	3.1	-.1	-.2
Chemicals and allied products	2.9	2.9	3.1	.0	-.2
Rubber and misc. plastics products	21.1	21.0	20.8	.1	.3
Tires and inner tubes	12.7	12.7	13.0	.0	-.2
NONMANUFACTURING^g	207.3	202.2	202.3	5.1	5.0
CONSTRUCTION	10.5	10.6	9.8	-.1	.6
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.1	13.1	.0	.0
Communication, electric, gas services ..	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.6	14.5	14.0	.1	.6
RETAIL TRADE	53.2	52.9	52.1	.2	1.1
General merchandise stores	6.2	6.1	6.4	.0	-.2
FINANCE, INSURANCE, AND REAL ESTATE	10.9	10.9	10.6	-.1	.3
Banking	3.2	3.3	3.1	.0	.1
SERVICES	61.7	62.4	59.5	-.7	2.3
Business services	12.2	12.0	11.5	.2	.7
Amusement and recreation services	4.1	4.8	4.1	-.6	.1
Health services	20.5	20.6	19.6	-.1	.9
GOVERNMENT	42.7	37.1	42.7	5.6	.1
State government	15.8	10.8	15.2	5.0	.6
State government education ^h	12.8	7.7	12.1	5.1	.7
State government, except education ...	3.0	3.1	3.0	-.1	.0
Local government	24.6	24.0	25.1	.6	-.5
Local government education	13.8	12.7	13.7	1.2	.1
Local government, except education ...	10.8	11.3	11.4	-.6	-.6

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers^a

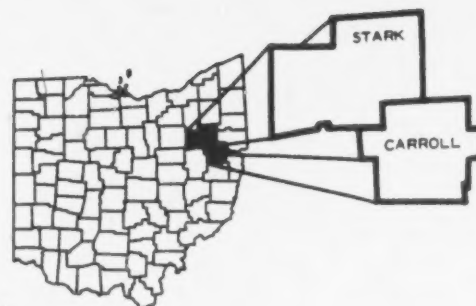
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$497.48	\$480.53	\$488.42	43.6	42.6	43.3	\$11.41	\$11.28	\$11.28
Durable Goods ^e	507.36	470.91	492.20	43.7	41.6	43.1	11.61	11.32	11.42
Fabricated metal products	639.80	581.02	580.99	44.4	41.8	43.1	14.41	13.90	13.48
Machinery, except electrical	476.10	443.56	448.06	46.0	43.7	44.1	10.35	10.15	10.16
Metalworking machinery	492.63	455.88	448.12	46.3	43.5	44.5	10.64	10.48	10.07
Nondurable Goods ^f	484.59	493.00	483.32	43.5	43.9	43.7	11.14	11.23	11.06
Food and kindred products	462.64	455.60	500.02	43.4	42.5	46.0	10.66	10.72	10.87
Chemicals and allied products	517.10	522.97	527.61	43.6	43.8	44.3	11.86	11.94	11.91
Rubber and misc. plastics products	510.51	515.04	499.26	44.9	45.1	44.3	11.37	11.42	11.27
Tires and inner tubes	825.69	827.31	764.48	51.0	51.1	48.6	16.19	16.19	15.73
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	586.56	582.33	580.17	41.6	41.3	41.5	14.10	14.10	13.98
WHOLESALE TRADE	347.26	354.52	343.66	37.1	37.2	38.1	9.36	9.53	9.02
RETAIL TRADE ^h	201.57	200.26	203.39	32.2	32.3	32.7	6.26	6.20	6.22

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	1,891	2,170	2,652
Active File of Job Seekers	15,294	16,667	17,157
Referrals to Jobs	1,288	1,535	1,691
Placements	465	488	659
Job Openings Received	520	712	999
Job Openings Unfilled	1,531	2,439	2,360
Unemployment Insurance Program			
Initial Claims	1,720	2,261	2,197
Continued Claims	15,822	19,526	23,387
First Payments	861	1,179	1,142
Last Payments	305	299	413
Weeks Compensated	13,373	15,431	19,210
Benefits Paid	\$1,995,519	\$2,292,632	\$2,879,317
Average Weekly Payment	\$153.47	\$152.31	\$153.64

CANTON METROPOLITAN STATISTICAL AREA



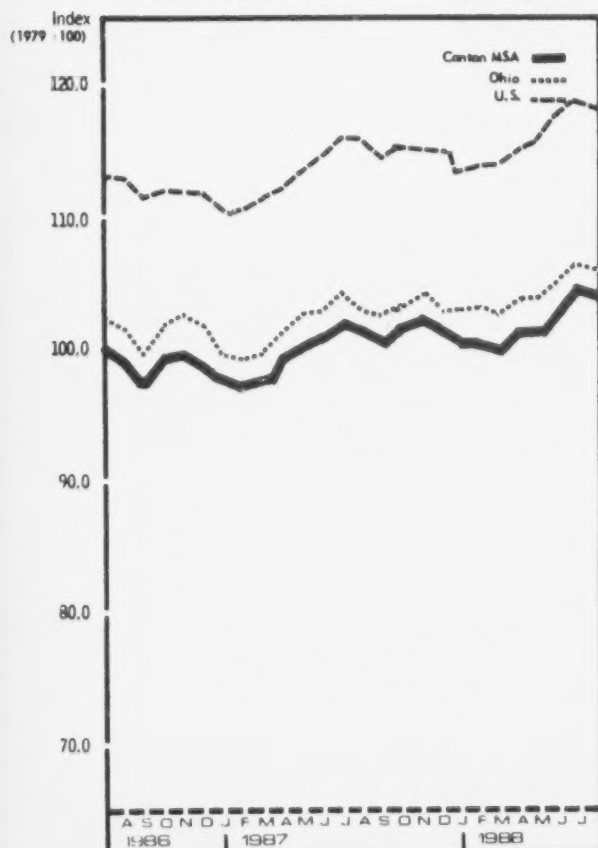
Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

Nonfarm wage and salary employment in the Canton metropolitan area increased 1,200 from August, to 161,700 in September 1988. Nonmanufacturing employment rose 600 due to the return of nonteaching personnel in local schools. Modest gains in primary metal industries, fabricated metal products, and rubber and miscellaneous plastics products advanced manufacturing employment 600 over the month, to 44,000. Production worker average hourly earnings, at \$11.45 per hour, were \$.18 higher than in August. Their average workweek was 1.0 hours longer, at 43.1 hours.

Nonagricultural payroll employment advanced 3,900 between September 1987 and September 1988. Expansion in nonmanufacturing industries contributed 92.3 percent of the gain. A major portion of the growth occurred in services and construction. The manufacturing labor force added 300 jobs over the year, with a moderate increase in primary metal industries. Employment in fabricated metal products and food and kindred products declined during the period.

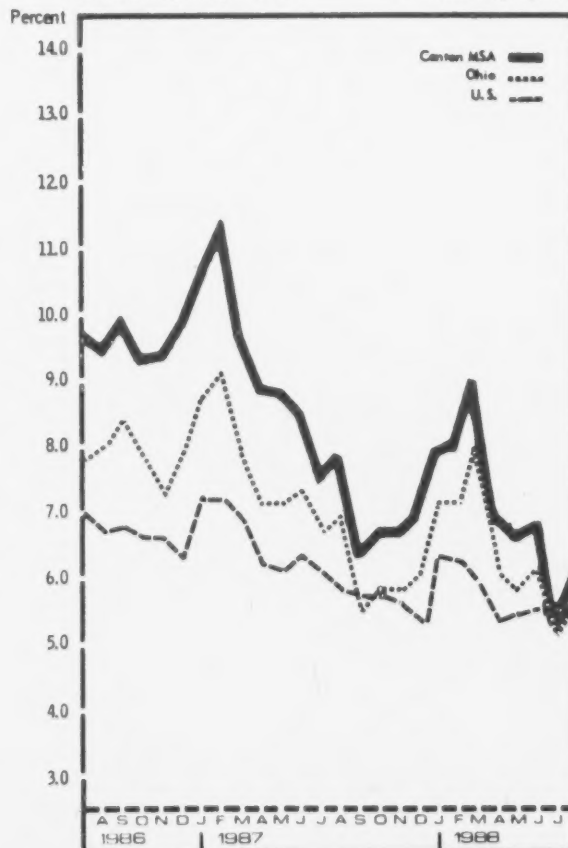
INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

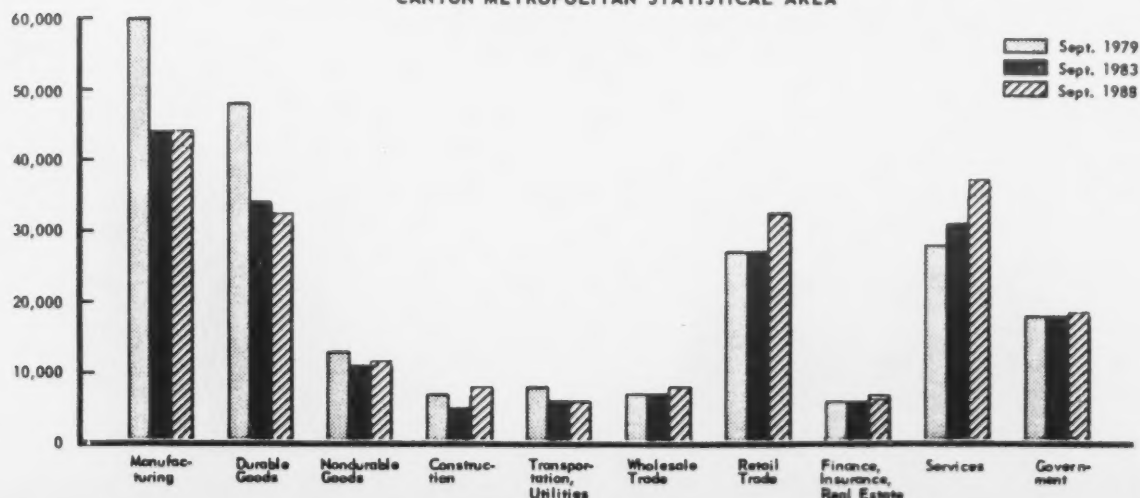


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total Rate				Hours and Earnings						
				Average Weekly Earnings Average Weekly Hours Average Hourly Earnings						
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	\$273.14	39.7	\$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.4	180.8	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
INA	INA	INA	INA	September	161.7	44.0	31.4	493.50	43.1	11.45

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	161.7	160.5	157.7	1.2	3.9
MANUFACTURING	44.0	43.4	43.7	.6	.3
Durable Goods ^e	32.3	31.8	32.1	.6	.2
Primary metal industries	10.9	10.6	10.4	.3	.5
Fabricated metal products	6.4	6.3	6.6	.1	.2
Metal forgings and stampings	2.2	2.1	2.2	.1	.0
Nondurable Goods ^f	11.7	11.7	11.6	.0	.1
Food and kindred products	3.3	3.4	3.5	-.1	-.2
Rubber and misc. plastics products	3.0	2.9	3.0	.1	.0
NONMANUFACTURING ^g	117.7	117.1	114.0	.6	3.6
CONSTRUCTION	8.1	8.2	7.0	-.1	1.1
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	5.7	.0	.4
Communication, electric, gas services ..	2.8	2.8	2.6	.0	.2
WHOLESALE TRADE	8.2	8.2	8.2	.0	.0
Wholesale trade-durable goods	4.6	4.6	4.6	.0	.0
RETAIL TRADE	32.3	32.3	31.7	.0	.5
General merchandise stores	4.0	3.9	3.9	.1	.1
Food stores	5.3	5.3	5.1	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.5	6.5	-.2	-.2
Banking	1.9	1.9	1.9	-.1	.0
SERVICES	37.1	37.0	35.7	.2	1.4
Health services	15.6	15.4	15.1	.2	.5
GOVERNMENT	18.4	17.7	18.2	.7	.3
State government (includes education) ..	1.7	1.7	1.7	.0	.0
Local government	15.3	14.5	15.0	.8	.3
Local government education	8.5	7.8	8.5	.7	.0
Local government, except education ...	6.8	6.7	6.5	.1	.3

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

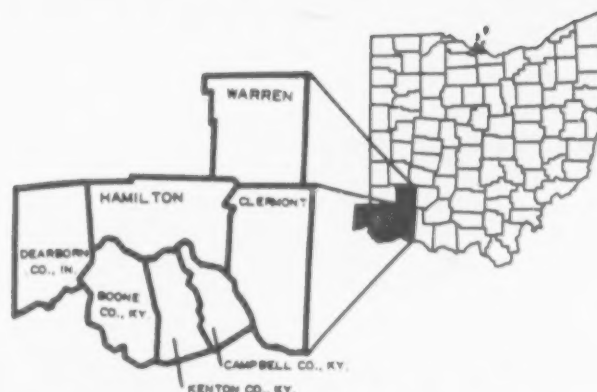
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$493.50	\$474.47	\$468.95	43.1	42.1	41.5	\$11.45	\$11.27	\$11.30
Durable Goods ^e	521.97	496.72	487.20	43.9	42.6	42.0	11.89	11.66	11.60
Primary metal industries	590.08	576.83	565.07	46.1	45.1	43.3	12.80	12.79	13.05
Fabricated metal products	474.61	432.28	443.77	42.3	40.4	40.9	11.22	10.70	10.85
Metal forgings and stampings	611.66	558.09	600.06	42.3	40.5	41.1	14.46	13.78	14.60
Nondurable Goods ^f	405.19	407.22	411.37	40.6	40.6	39.9	9.98	10.03	10.31
Food and kindred products	406.83	411.95	420.79	38.2	38.5	39.4	10.65	10.70	10.68
Rubber and misc. plastics products	407.18	410.00	459.24	40.8	41.0	43.0	9.98	10.00	10.68
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	590.55	575.98	564.82	41.5	41.2	41.5	14.23	13.98	13.61
WHOLESALE TRADE	369.20	372.59	379.55	36.7	37.0	38.3	10.06	10.07	9.91
RETAIL TRADE ^h	159.82	160.60	153.30	28.9	29.2	28.6	5.53	5.50	5.36

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	1,771	2,182	1,224
Active File of Job Seekers	12,718	13,221	11,327
Referrals to Jobs	864	1,711	897
Placements	168	385	180
Job Openings Received	450	1,254	461
Job Openings Unfilled	2,300	2,627	735
Unemployment Insurance Program			
Initial Claims	1,250	1,717	1,833
Continued Claims	9,746	12,614	15,061
First Payments	753	740	699
Last Payments	210	209	203
Weeks Compensated	8,545	9,501	10,670
Benefits Paid	\$1,206,692	\$1,301,311	\$1,494,898
Average Weekly Payment	\$146.42	\$141.37	\$144.14

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA

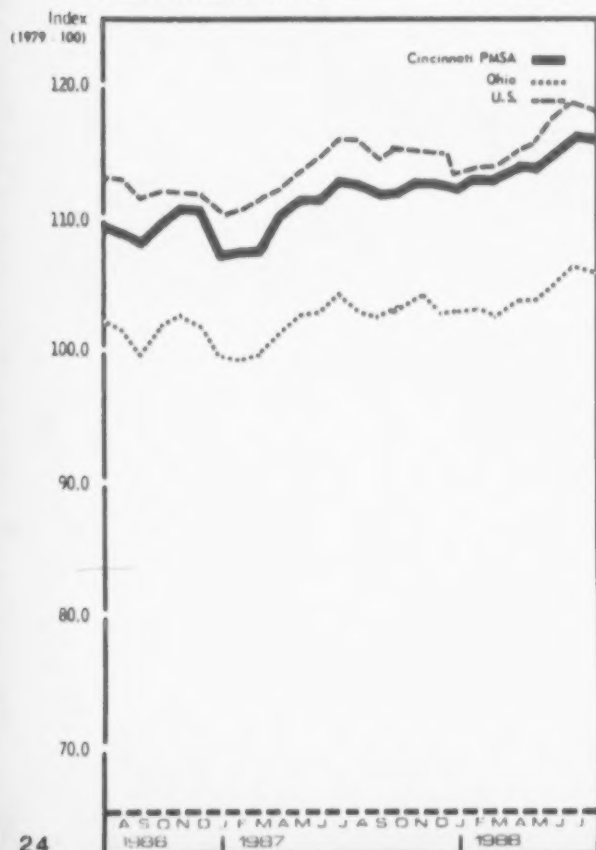


In the Cincinnati metropolitan area, nonfarm payroll employment totaled 710,900 in September 1988, increasing 7,300 above the August level. Nonmanufacturing employment increased 7,000 due to the return of nonteaching personnel in state and local schools and colleges (+5,200) and moderate growth in transportation and public utilities and retail trade. Manufacturing employment rose 300, with modest gains occurring in food and kindred products, apparel and other textile products, printing and publishing, and electric and electronic equipment. Transportation equipment declined over the month. Factory production workers averaged \$11.29 per hour, up \$.06 from August. Their average workweek was .7 hours longer, at 43.1 hours.

Nonagricultural wage and salary employment advanced 21,200 between September 1987 and September 1988. Significant expansion occurred in services, retail trade, construction, and finance, insurance, and real estate. Noteworthy growth was also recorded in transportation and public utilities and in wholesale trade. Manufacturing employment declined 1,200 over the year. Reductions in transportation equipment more than offset gains in food and kindred products.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

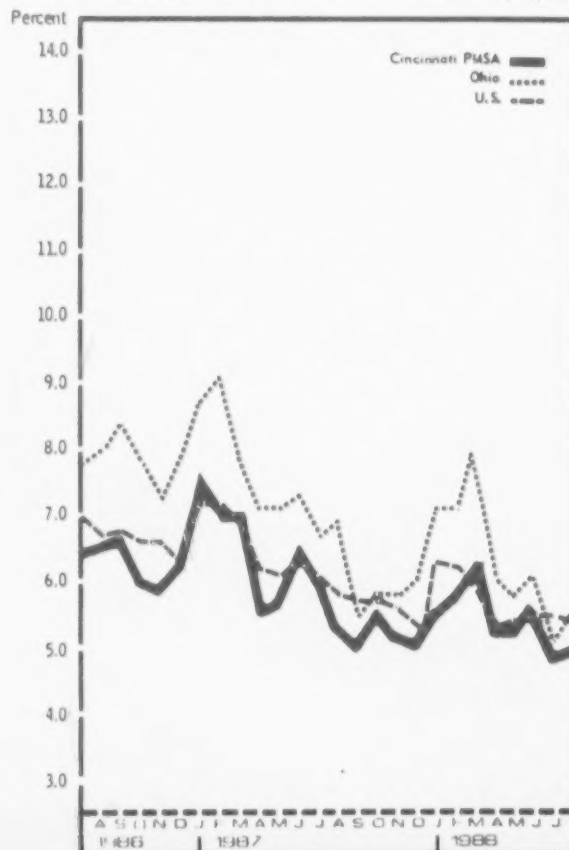
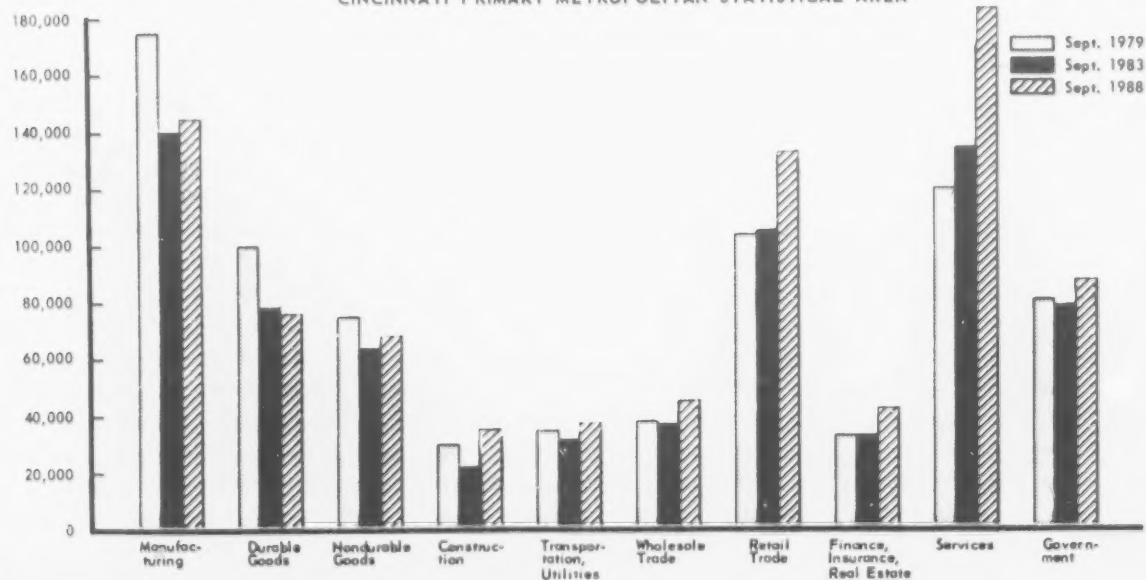


Table 1. Labor Force and Unemployment
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	\$260.83	41.6	\$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
749.6	710.1	39.5	5.3	1987 August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	1987 September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	1987 October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	1987 November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	1987 December	694.9	145.6	93.4	488.17	43.9	11.12
747.1	706.0	41.1	5.5	1988 January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	1988 February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	1988 March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	1988 April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	1988 May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	1988 June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	1988 July	700.3	143.7	91.5	461.76	41.6	11.10
766.1	728.1	38.0	5.0	1988 August	703.6	144.8	92.3	476.15	42.4	11.23
INA	INA	INA	INA	1988 September	710.9	145.1	92.6	486.60	43.1	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	710.9	703.6	689.7	7.3	21.2
MANUFACTURING	145.1	144.8	146.3	.3	- 1.2
Durable Goods ^e	77.0	77.3	78.7	-.3	- 1.7
Fabricated metal products	10.0	9.9	10.3	.0	-.4
Fabricated structural metal products ..	3.7	3.8	4.2	.0	-.5
Machinery, except electrical	20.6	20.6	20.8	.0	-.2
Metalworking machinery	8.0	8.0	8.2	.0	-.2
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.8	7.8	7.6	.1	.3
Transportation equipment	24.3	24.5	26.0	-.2	- 1.8
Motor vehicles and equipment	4.9	4.9	5.4	.0	-.5
Nondurable Goods ^f	68.1	67.5	67.6	.6	.5
Food and kindred products	14.1	13.8	13.4	.2	.7
Beverages	3.7	3.7	3.5	.0	.2
Apparel and other textile products	3.8	3.7	3.9	.1	-.1
Paper and allied products	5.9	5.9	6.2	.0	-.3
Printing and publishing	13.3	13.1	13.4	.1	-.2
Commercial printing	5.8	5.7	6.1	.2	-.2
Chemicals and allied products	22.8	22.9	22.5	.0	.3
Rubber and misc. plastics products	5.7	5.7	5.9	.0	-.1
NONMANUFACTURING^g	565.9	558.9	543.4	7.0	22.4
CONSTRUCTION	35.3	35.1	32.1	.2	3.2
TRANSPORTATION AND PUBLIC UTILITIES	37.8	37.0	36.2	.8	1.6
Trucking and warehousing	11.0	10.8	10.2	.2	.8
Communication, electric, gas services ..	15.1	15.2	15.1	-.1	.1
WHOLESALE TRADE	45.8	45.8	44.5	.0	1.3
Wholesale trade-durable goods	27.4	27.4	26.2	-.1	1.2
RETAIL TRADE	132.5	131.8	128.0	.7	4.6
General merchandise stores	17.8	17.6	17.9	.3	-.1
FINANCE, INSURANCE, AND REAL ESTATE	42.9	42.8	40.8	.1	2.1
Banking	9.3	9.4	8.8	.0	.5
Insurance carriers	14.3	14.3	13.9	.0	.4
SERVICES	183.2	182.9	174.6	.3	8.6
Hotels and other lodging places	7.1	7.4	6.7	-.2	.4
Personal services	8.8	8.8	8.5	.1	.4
Business services	45.3	44.9	41.8	.4	3.5
Amusement and recreation services	10.1	11.3	10.1	- 1.2	.0
Health services	55.5	55.4	53.2	.0	2.3
Hospitals	26.2	26.3	25.3	.0	1.0
GOVERNMENT	87.8	82.9	86.7	4.9	1.0
Federal government	15.4	15.1	14.8	.3	.6
State government	19.1	18.3	19.1	.8	.0
State government education ¹	11.3	10.5	11.2	.9	.1
State government, except education ...	7.8	7.9	7.9	-.1	-.1
Local government	53.3	49.4	52.9	3.9	.4
Local government education	30.0	25.7	30.0	4.3	.0
Local government, except education ...	23.3	23.7	22.9	-.4	.4

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$486.60	\$476.15	\$471.71	43.1	42.4	43.0	\$11.29	\$11.23	\$10.97
Durable Goods ^e	480.38	470.30	469.37	43.2	42.6	43.3	11.12	11.04	10.84
Fabricated metal products	439.05	425.70	431.57	43.6	42.4	44.4	10.07	10.04	9.72
Fabricated structural metal products ..	492.51	483.06	451.98	45.9	45.4	46.5	10.73	10.64	9.72
Machinery, except electrical	442.96	429.25	413.82	43.3	42.5	41.8	10.23	10.10	9.90
Metalworking machinery	495.45	492.62	453.95	45.0	44.5	41.8	11.01	11.07	10.86
General industrial machinery	426.19	390.82	452.95	43.4	41.4	46.6	9.82	9.44	9.72
Electric and electronic equipment	332.35	338.05	355.77	39.1	39.4	40.2	8.50	8.58	8.85
Transportation equipment	709.90	701.24	694.85	45.8	45.3	46.2	15.50	15.48	15.04
Motor vehicles and equipment	849.68	845.23	773.30	49.4	49.4	47.5	17.20	17.11	16.28
Nondurable Goods ^f	491.92	482.22	475.08	43.0	42.3	42.8	11.44	11.40	11.10
Food and kindred products	510.62	511.69	539.26	43.2	43.4	45.7	11.82	11.79	11.80
Beverages	517.92	522.08	553.58	41.5	41.8	43.9	12.48	12.49	12.61
Apparel and other textile products	228.72	215.87	213.76	38.7	36.9	37.7	5.91	5.85	5.67
Paper and allied products	459.78	439.78	438.48	44.9	43.2	43.5	10.24	10.18	10.08
Printing and publishing	479.00	462.92	472.46	41.4	40.5	41.7	11.57	11.43	11.33
Commercial printing	527.67	510.40	519.55	45.1	44.0	45.1	11.70	11.60	11.52
Chemicals and allied products	578.83	579.31	531.65	43.1	43.2	41.6	13.43	13.41	12.78
Rubber and misc. plastics products	435.98	398.61	445.47	45.7	43.0	46.5	9.54	9.27	9.58
TRANSPORTATION AND PUBLIC UTILITIES	576.28	575.87	554.04	40.9	41.4	40.5	14.09	13.91	13.68
Communication, electric, gas services ..	576.28	575.87	554.04	40.9	41.4	40.5	14.09	13.91	13.68
WHOLESALE TRADE	415.34	410.66	395.65	40.8	40.7	41.0	10.18	10.09	9.65
RETAIL TRADE ^h	169.06	169.02	168.37	29.3	29.6	29.8	5.77	5.71	5.65
FINANCE, INSURANCE, AND REAL ESTATE	262.14	262.51	258.88	.....	.....	.....	.....	.....	.....
Banking	262.14	262.51	258.88	.....	.....	.....	.....	.....	.....

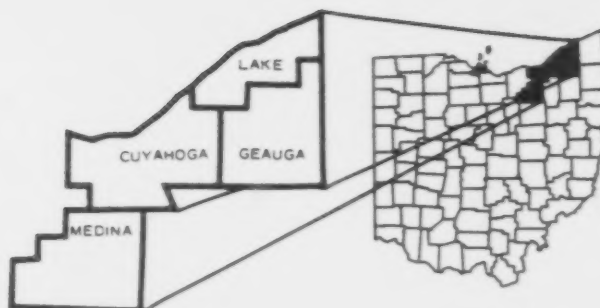
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	2,610	3,216	4,328
Active File of Job Seekers	20,901	21,714	16,686
Referrals to Jobs	1,917	2,236	1,912
Placements	357	333	371
Job Openings Received	1,859	1,655	1,691
Job Openings Unfilled	3,250	2,857	3,459
Unemployment Insurance Program			
Initial Claims	3,231	3,492	5,226
Continued Claims	27,417	35,651	36,320
First Payments	1,555	1,886	2,683
Last Payments	546	723	517
Weeks Compensated	22,239	26,963	23,650
Benefits Paid	\$3,354,924	\$4,004,749	\$3,461,339
Average Weekly Payment	\$153.37	\$150.47	\$149.17

^aOhio data only

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA

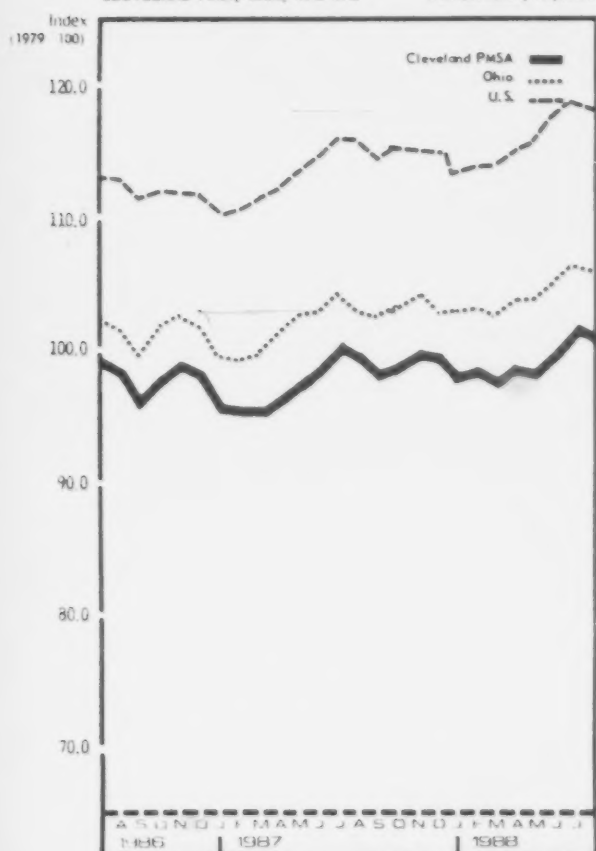


Total nonfarm wage and salary employment in the Cleveland metropolitan area rose 4,300 above the August level, to 919,100 in September 1988. Nonmanufacturing employment increased 2,300 due to expansion in services. The manufacturing workforce gained 2,100 jobs. Noteworthy improvements occurred in food and kindred products, primary metal industries, and rubber and miscellaneous plastics products. Factory production worker average hourly earnings, at \$11.89 per hour, increased \$.10 from last month. Their average workweek of 43.3 hours was .6 hours longer.

Nonagricultural payroll employment advanced 18,900 between September 1987 and September 1988. The nonmanufacturing sector netted 83.6 percent of the gain. Marked improvements occurred in services (+7,900), retail trade (+5,500), finance, insurance, and real estate (+2,200), and construction (+1,000). Manufacturing employment increased 3,100 over the year, to 204,500. Primary growth sectors were nonelectrical machinery, fabricated metal products, electric and electronic equipment, and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment							
Total Employed					Manufacturing Employment							
Unemployed					Manufacturing Production Workers							
Total					Hours and Earnings							
Rate					Average							
					Weekly							
					Earnings				Average		Average	
					Hours				Hourly		Hourly	
					Earnings				Earnings		Earnings	

Cleveland PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	919.1	914.8	900.3	4.3	18.9
MANUFACTURING	204.5	202.4	201.4	2.1	3.1
Durable Goods ^e	138.5	137.4	136.4	1.1	2.1
Primary metal industries	21.1	20.6	20.9	.4	.1
Iron and steel foundries	5.1	4.9	5.1	.3	.0
Fabricated metal products	33.0	32.7	32.4	.2	.5
Fabricated structural metal products ..	4.3	4.2	4.2	.1	.1
Screw machine products, bolts, etc. ..	4.8	4.8	4.8	.0	.1
Metal forgings and stampings	11.3	11.3	11.1	.1	.2
Machinery, except electrical	29.6	29.5	28.9	.1	.7
Construction and related machinery ...	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.7	9.7	9.6	.0	.1
Special industry machinery	2.7	2.8	2.8	.0	.1
General industrial machinery	3.1	3.0	2.9	.0	.1
Electric and electronic equipment	18.2	18.2	17.7	.0	.5
Electrical industrial apparatus	6.5	6.5	6.0	.0	.4
Transportation equipment	19.2	18.9	19.1	.2	.0
Motor vehicles and equipment	12.1	12.0	11.9	.1	.2
Instruments and related products	6.4	6.3	6.6	.1	.2
Measuring and controlling devices	4.2	4.1	4.3	.1	.1
Nondurable Goods ^f	66.0	65.1	65.1	1.0	.9
Food and kindred products	6.9	6.3	6.9	.6	.1
Apparel and other textile products	4.1	4.0	3.9	.1	.1
Paper and allied products	5.7	5.7	5.7	.0	.0
Printing and publishing	16.1	16.2	16.3	.1	.2
Chemicals and allied products	15.4	15.4	14.9	.0	.5
Rubber and misc. plastics products	12.7	12.4	12.4	.3	.3
NONMANUFACTURING^g	714.6	712.3	698.3	2.3	15.8
CONSTRUCTION	32.0	32.1	31.1	.1	1.0
TRANSPORTATION AND PUBLIC UTILITIES	41.5	41.4	41.5	.0	.0
Trucking and warehousing	12.6	12.4	12.0	.2	.6
Communication, electric, gas services ..	17.6	17.7	17.8	.1	.2
WHOLESALE TRADE	61.2	61.4	60.6	.2	.6
Wholesale trade-durable goods	41.9	42.1	41.7	.2	.2
RETAIL TRADE	161.1	161.1	155.7	.0	5.5
General merchandise stores	20.8	20.6	20.3	.2	.5
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.6	55.2	.3	2.2
Banking	13.6	13.8	13.6	.1	.1
Credit agencies other than banks	8.8	8.9	8.7	.1	.2
Insurance carriers	14.4	14.4	13.9	.1	.6
SERVICES	246.5	244.2	238.6	2.3	7.9
Business services	57.6	57.1	54.7	.5	3.0
Amusement and recreation services	9.5	10.1	9.8	.6	.3
Health services	76.9	76.8	75.6	.0	1.2
Hospitals	42.6	42.7	42.9	.1	.3
GOVERNMENT	113.9	113.3	115.0	.5	1.2
Federal government	20.7	20.6	20.2	.1	.4
State government	7.7	7.9	7.7	.1	.1
State government education ^h	2.6	2.5	2.5	.1	.1
State government, except education ...	5.1	5.3	5.2	.2	.0
Local government	85.4	84.9	87.1	.6	1.7
Local government education	41.6	38.1	42.4	3.5	.8
Local government, except education ...	43.9	46.8	44.7	2.9	.9

Hours & Earnings of Production or Nonsupervisory Workers^a

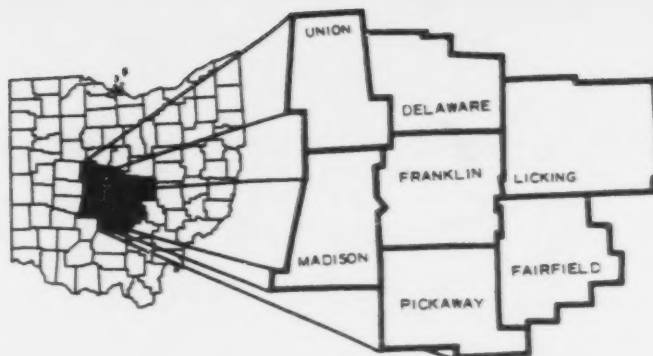
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$514.84	\$503.43	\$487.05	43.3	42.7	42.5	\$11.89	\$11.79	\$11.46
Durable Goods ^e	556.70	541.88	517.63	44.5	43.7	43.1	12.51	12.40	12.01
Primary metal industries	594.74	586.74	599.24	46.5	46.2	45.5	12.79	12.70	13.17
Iron and steel foundries	896.38	887.54	869.70	50.7	50.4	50.8	17.68	17.61	17.12
Fabricated metal products	557.50	536.92	507.18	44.6	43.3	42.8	12.50	12.40	11.85
Fabricated structural metal products	412.72	391.82	404.74	41.9	39.9	40.8	9.85	9.82	9.92
Screw machine products, bolts, etc. ..	546.29	533.57	469.48	45.6	44.8	44.0	11.98	11.91	10.67
Metal forgings and stampings	724.47	691.38	625.24	47.6	46.0	44.0	15.22	15.03	14.21
Machinery, except electrical	497.25	489.10	456.37	42.5	42.2	41.3	11.70	11.59	11.05
Construction and related machinery ...	412.48	397.11	389.70	44.4	43.4	43.3	9.29	9.15	9.00
Metalworking machinery	461.62	453.47	428.67	41.7	41.3	41.1	11.07	10.98	10.43
Special industry machinery	467.16	463.08	451.88	40.8	40.8	37.1	11.45	11.35	12.18
General industrial machinery	518.93	488.17	490.94	45.6	43.9	43.6	11.38	11.12	11.26
Electric and electronic equipment	459.90	449.36	448.45	42.0	41.0	41.6	10.95	10.96	10.78
Electrical industrial apparatus	529.47	524.21	505.56	45.1	44.5	44.0	11.74	11.78	11.49
Transportation equipment	773.76	747.65	682.05	48.0	47.2	45.5	16.12	15.84	14.99
Motor vehicles and equipment	868.38	835.50	732.34	49.2	48.1	45.6	17.65	17.37	16.06
Instruments and related products	421.18	400.82	404.21	42.5	40.9	41.8	9.91	9.80	9.67
Measuring and controlling devices	460.78	447.88	404.15	43.8	42.9	40.7	10.52	10.44	9.93
Nondurable Goods^f	415.53	411.46	413.69	40.5	40.3	41.0	10.26	10.21	10.09
Food and kindred products	394.58	409.94	388.33	40.1	41.2	43.1	9.84	9.95	9.01
Apparel and other textile products	325.80	318.01	312.09	39.3	38.5	38.2	8.29	8.26	8.17
Paper and allied products	485.35	463.80	493.88	42.8	41.3	43.9	11.34	11.23	11.25
Printing and publishing	396.01	374.53	416.41	36.6	35.3	38.7	10.82	10.61	10.76
Chemicals and allied products	502.15	499.79	495.85	42.7	42.9	42.2	11.76	11.65	11.75
Rubber and misc. plastics products	377.78	387.47	367.04	42.4	43.1	41.9	8.91	8.99	8.76
TRANSPORTATION AND PUBLIC UTILITIES									
Communication, electric, gas services ..	612.99	612.79	596.49	41.7	41.8	41.8	14.70	14.66	14.27
WHOLESALE TRADE	421.89	418.65	399.21	39.1	38.8	39.1	10.79	10.79	10.21
RETAIL TRADE^h	189.90	188.47	190.74	28.6	28.6	28.9	6.64	6.59	6.60
FINANCE, INSURANCE, AND REAL ESTATE									
Banking	306.41	302.51	289.87						
SERVICES									
Health services									
Hospitals	344.32	343.04	344.32	32.0	32.0	32.0	10.76	10.72	10.76

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	3,953	4,908	5,760
Active File of Job Seekers	54,399	55,837	60,494
Referrals to Jobs	2,088	2,804	2,168
Placements	318	902	330
Job Openings Received	1,123	1,890	1,470
Job Openings Unfilled	4,293	4,549	2,803
Unemployment Insurance Program			
Initial Claims	4,610	5,055	6,008
Continued Claims	42,280	51,630	53,758
First Payments	2,384	3,195	2,541
Last Payments	858	943	966
Weeks Compensated	35,726	40,639	43,014
Benefits Paid	\$5,340,392	\$6,053,107	\$6,144,287
Average Weekly Payment	\$152.54	\$151.57	\$145.34

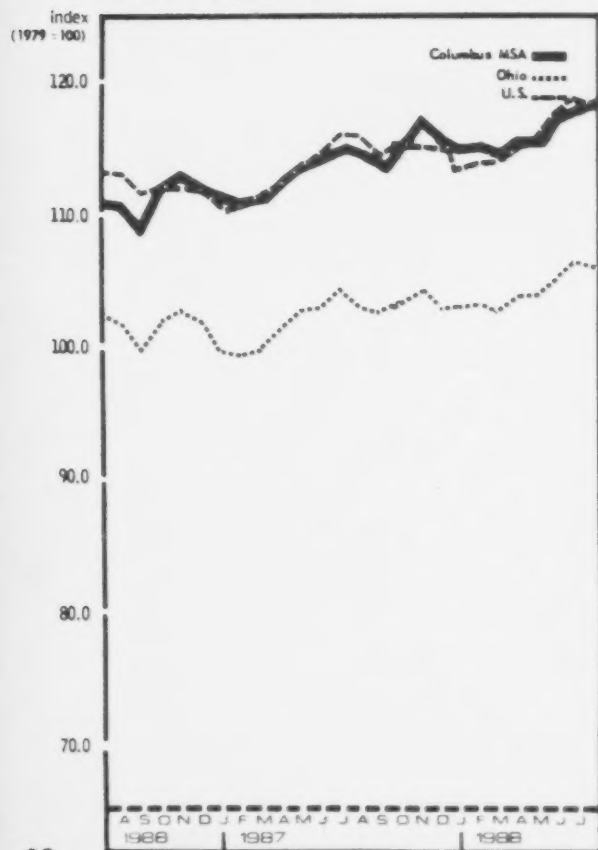
COLUMBUS METROPOLITAN STATISTICAL AREA



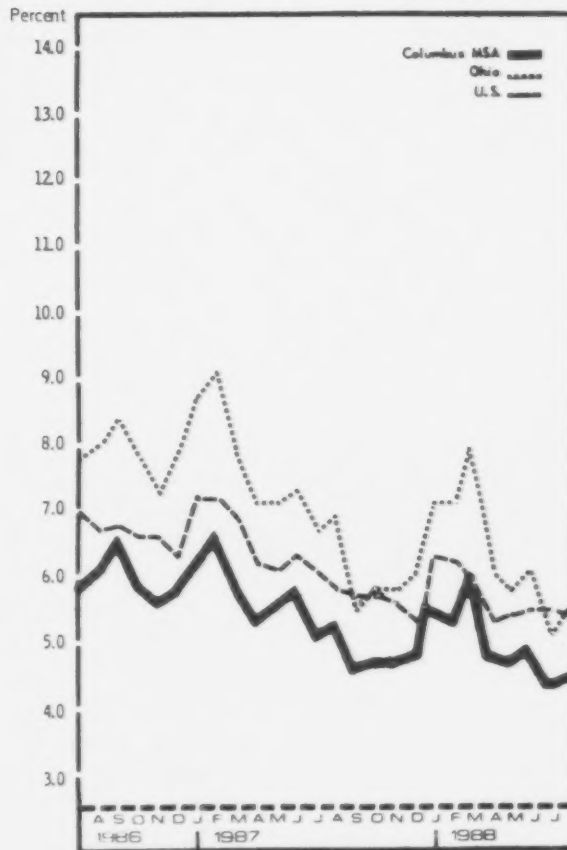
Nonagricultural payroll employment in the Columbus metropolitan area increased 7,600 from August, to 687,600 in September 1988. The return of nonteaching personnel in local schools and moderate growth in services and retail trade advanced nonmanufacturing employment 6,500 over the month. More business in fabricated metal products, transportation equipment, and nonelectrical machinery contributed to the increase of 1,100 jobs in the manufacturing workforce. Factory production worker average hourly earnings, at \$11.62 per hour, rose \$.06 from August. Their average workweek was .7 hours longer, at 41.5 hours.

Nonfarm wage and salary employment advanced 24,900 between September 1987 and September 1988. The nonmanufacturing sector provided 94.0 percent of the gain. Primary growth industries were services, retail trade, and construction. The manufacturing workforce increased 1,500 over the year, to 104,300. Modest improvements occurred in fabricated metal products, rubber and miscellaneous plastics products, printing and publishing, and food and kindred products, while employment in stone, clay, and glass products declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



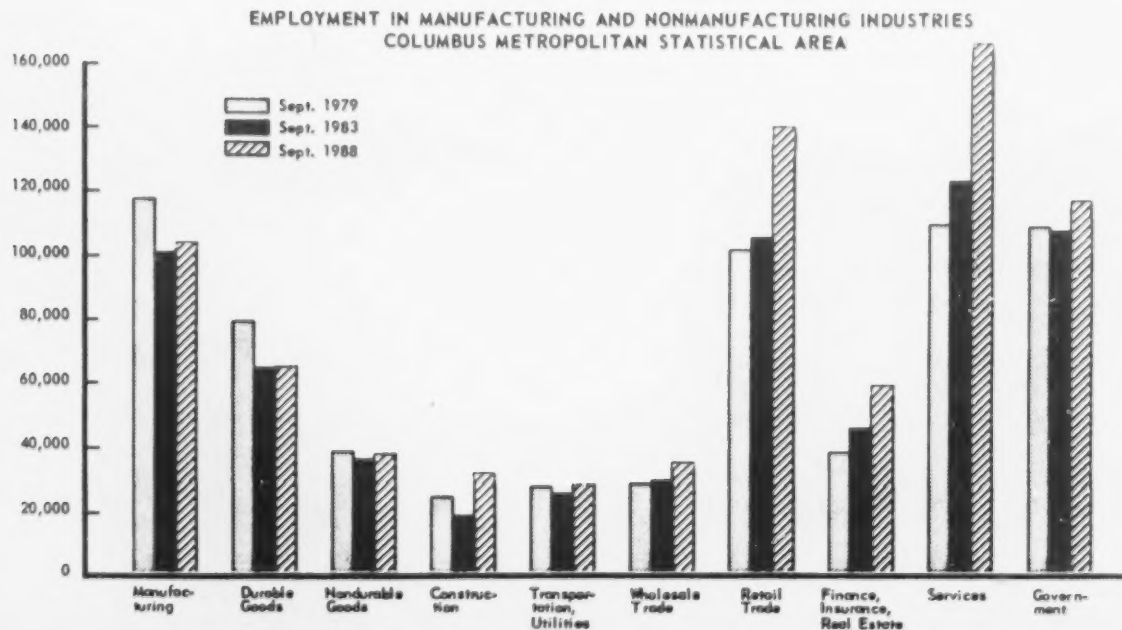
UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
TotalRate				Hours and Earnings						
				Average Weekly EarningsAverage Weekly HoursAverage Hourly Earnings						
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
1987										
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
1988										
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
715.8	683.5	32.2	4.5	August	680.0	103.2	67.3	471.65	40.8	11.56
INA	INA	INA	INA	September	687.6	104.3	67.9	482.23	41.5	11.62

INA - information not available



Columbus MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	687.6	680.0	662.8	7.6	24.9
MANUFACTURING	104.3	103.2	102.8	1.1	1.5
Durable Goods ^e	65.8	64.9	65.3	.9	.5
Stone, clay, and glass products	9.9	10.0	10.4	.0	.5
Glass and glassware, pressed or blown	3.6	3.6	3.9	.1	.4
Fabricated metal products	9.8	9.4	9.3	.4	.4
Fabricated structural metal products	2.9	2.8	2.9	.1	.0
Machinery, except electrical	9.2	9.0	9.2	.2	.0
Electric and electronic equipment	11.0	11.0	10.9	.0	.1
Transportation equipment	13.8	13.5	13.7	.3	.1
Instruments and related products	4.1	4.2	4.0	.0	.1
Nondurable Goods ^f	38.4	38.3	37.5	.2	1.0
Food and kindred products	10.7	10.6	10.5	.1	.2
Printing and publishing	10.5	10.4	10.1	.1	.3
Chemicals and allied products	6.9	6.9	6.8	.0	.0
Rubber and misc. plastics products	5.7	5.7	5.3	.0	.4
NONMANUFACTURING^g	583.3	576.8	559.9	6.5	23.4
CONSTRUCTION	32.3	32.3	29.5	.0	2.7
TRANSPORTATION AND PUBLIC UTILITIES	29.1	28.9	28.5	.2	.6
Trucking and warehousing	12.2	12.1	11.9	.1	.3
Communication, electric, gas services ..	11.8	11.8	11.7	.0	.1
WHOLESALE TRADE	35.9	35.6	34.3	.3	1.6
Wholesale trade-durable goods	23.2	23.1	22.2	.2	1.0
RETAIL TRADE	141.0	140.0	135.4	.9	5.6
General merchandise stores	22.7	22.4	22.4	.3	.3
FINANCE, INSURANCE, AND REAL ESTATE	59.9	60.2	58.0	.3	1.9
Banking	12.1	12.2	11.7	.0	.4
Insurance carriers	23.5	23.5	22.9	.0	.6
SERVICES	166.5	164.7	157.9	1.8	8.6
Business services	38.7	38.6	35.7	.1	3.0
Health services	41.7	41.5	40.1	.2	1.6
Hospitals	18.4	18.3	17.8	.1	.6
GOVERNMENT	117.7	114.1	115.4	3.6	2.3
Federal government	15.3	15.0	15.6	.3	.3
State government	50.1	50.3	48.4	.2	1.8
State government education ^h	18.7	18.6	17.7	.1	1.0
State government, except education ...	31.4	31.8	30.6	.3	.8
Local government	52.2	48.7	51.4	3.5	.9
Local government education	31.3	27.6	30.4	3.8	.9
Local government, except education ...	20.9	21.1	20.9	.2	.0

Hours & Earnings of Production or Nonsupervisory Workers^a

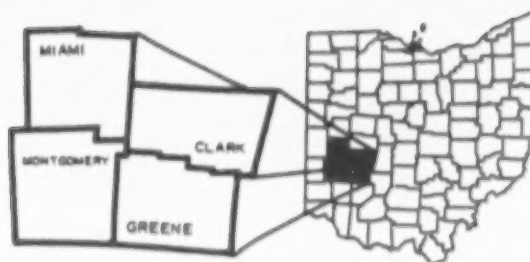
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$482.23	\$471.65	\$477.88	41.5	40.8	41.7	\$11.62	\$11.56	\$11.46
Durable Goods ^e	490.88	477.41	487.06	41.6	40.7	41.7	11.80	11.73	11.68
Stone, clay, and glass products	484.10	475.59	495.52	41.2	40.1	42.1	11.75	11.86	11.77
Glass and glassware, pressed or blown	467.58	425.23	458.71	42.2	39.3	41.4	11.08	10.82	11.08
Fabricated metal products	518.34	508.00	503.05	41.5	41.1	41.2	12.49	12.36	12.21
Fabricated structural metal products	470.85	481.98	437.13	43.0	43.5	41.2	10.95	11.08	10.61
Machinery, except electrical	456.62	447.26	450.70	41.7	41.8	42.2	10.95	10.70	10.68
Electric and electronic equipment	453.50	448.40	453.53	40.6	40.0	40.1	11.17	11.21	11.31
Transportation equipment	590.01	565.24	595.01	42.6	40.9	43.4	13.85	13.82	13.71
Instruments and related products	408.95	405.34	432.60	38.8	38.9	42.0	10.54	10.42	10.30
Nondurable Goods ^f	464.21	461.85	460.37	41.3	41.2	41.7	11.24	11.21	11.04
Food and kindred products	445.12	456.20	440.49	41.6	41.7	40.9	10.70	10.94	10.77
Printing and publishing	551.63	548.06	550.51	39.8	39.6	40.9	13.86	13.84	13.46
Chemicals and allied products	549.19	533.95	549.83	41.7	41.2	42.1	13.17	12.96	13.06
Rubber and misc. plastics products	357.70	360.71	363.72	41.4	41.7	43.3	8.64	8.65	8.40
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	599.59	601.68	584.63	41.9	41.9	41.7	14.31	14.36	14.02
WHOLESALE TRADE	360.23	344.66	355.36	38.2	37.1	38.5	9.43	9.29	9.23
RETAIL TRADE ^h	186.59	184.93	173.76	29.2	29.4	28.3	6.39	6.29	6.14
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	265.37	267.29	257.19	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	350.54	345.69	333.12	34.4	34.5	34.7	10.19	10.02	9.60

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	4,013	5,224	5,295
Active File of Job Seekers	27,385	28,669	32,234
Referrals to Jobs	2,202	3,926	3,029
Placements	665	1,227	1,546
Job Openings Received	1,270	2,182	2,037
Job Openings Unfilled	2,612	2,671	3,526
Unemployment Insurance Program			
Initial Claims	3,108	4,212	3,908
Continued Claims	25,812	31,363	34,617
First Payments	1,716	2,188	1,884
Last Payments	478	649	674
Weeks Compensated	21,671	24,538	27,138
Benefits Paid	\$3,330,440	\$3,647,944	\$4,109,616
Average Weekly Payment	\$157.16	\$151.62	\$155.27

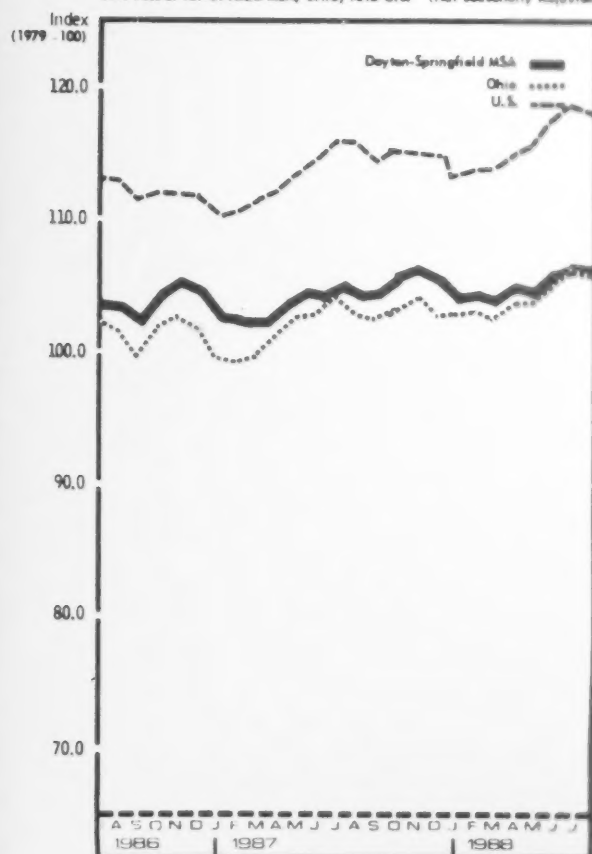
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



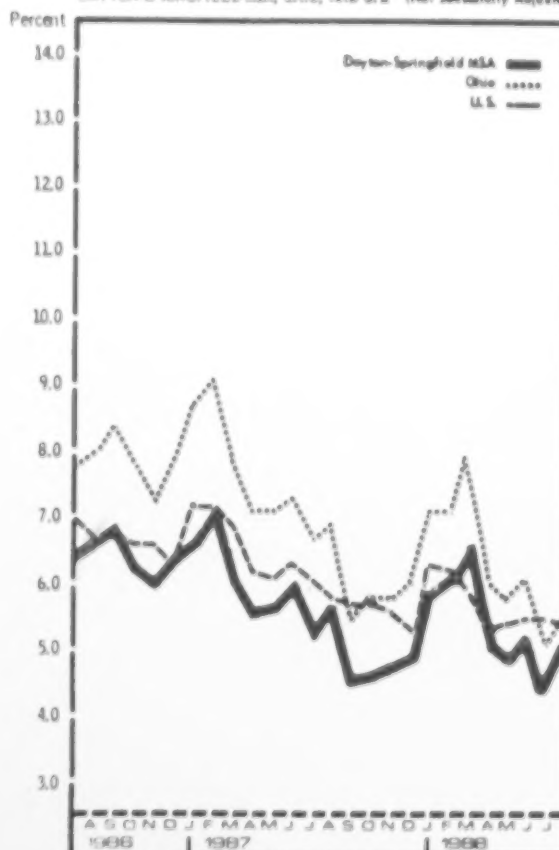
In the Dayton-Springfield metropolitan area, total nonfarm payroll employment rose 8,800 from August, to 442,800 in September 1988. Nonmanufacturing employment increased 7,900 due to the return of nonteaching personnel in local public schools and in private schools. The manufacturing sector added 900 jobs, with modest gains occurring in transportation equipment and rubber and miscellaneous plastics products. Factory production worker average hourly earnings, at \$12.68 per hour, increased \$.30 from August. Their average workweek of 43.7 hours was 1.5 hours longer.

Nonagricultural wage and salary employment advanced 9,700 between September 1987 and September 1988. Expansion in services, retail trade, and construction provided 95.9 percent of the improvement. Over the year, manufacturing employment declined 900, to 103,800. Moderate reductions occurred in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

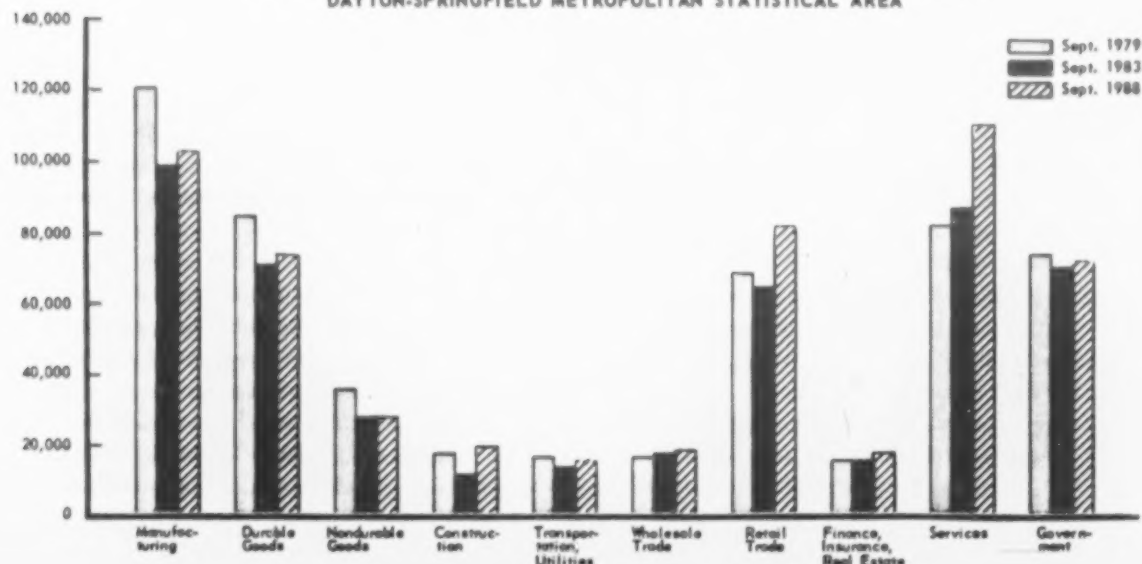


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
		Total Employed		Manufacturing Employment						
		Unemployed		Manufacturing Production Workers						
		Total	Rate	Hours and Earnings						
				Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings				
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	433.7	103.4	66.0	525.34	42.4	12.39
467.7	443.9	23.7	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
INA	INA	INA	INA	September	442.8	103.8	66.7	554.12	43.7	12.68

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	442.8	434.0	433.1	8.8	9.7
MANUFACTURING	103.8	102.9	104.7	.9	-.9
Durable Goods ^e	74.9	74.1	75.5	.8	-.6
Fabricated metal products	8.4	8.4	8.4	.0	.0
Machinery, except electrical	30.7	30.6	30.6	.1	.1
Metalworking machinery	6.5	6.6	6.6	.0	.0
General industrial machinery	2.9	2.8	2.7	.0	.2
Electric and electronic equipment	5.6	5.6	6.0	.0	-.4
Electrical industrial apparatus	3.4	3.4	3.5	.0	-.2
Transportation equipment	20.4	19.8	21.1	.6	-.7
Nondurable Goods ^f	28.9	28.8	29.2	.1	-.2
Food and kindred products	2.7	2.8	2.8	-.1	.0
Paper and allied products	6.1	6.1	6.1	.0	-.1
Printing and publishing	8.7	8.6	8.5	.1	.2
Rubber and misc. plastics products	7.9	7.7	8.0	.2	-.2
NONMANUFACTURING ^g	339.0	331.1	328.4	7.9	10.6
CONSTRUCTION	19.9	20.0	17.9	-.2	1.9
TRANSPORTATION AND PUBLIC UTILITIES	15.9	15.8	15.7	.1	.2
Communication, electric, gas services ..	5.3	5.3	5.5	.0	-.2
WHOLESALE TRADE	19.3	19.3	18.7	.0	.6
Wholesale trade-durable goods	12.7	12.8	12.4	-.1	.3
RETAIL TRADE	82.4	82.1	79.0	.2	3.3
General merchandise stores	12.2	12.1	12.0	.2	.3
FINANCE, INSURANCE, AND REAL ESTATE	18.4	18.5	18.1	-.2	.3
Banking	4.2	4.3	4.4	.0	-.1
Credit agencies other than banks	4.8	4.8	4.7	-.1	.0
Insurance carriers	2.7	2.7	2.9	.0	-.2
SERVICES	110.6	108.9	106.5	1.7	4.1
Business services	28.1	27.9	26.3	.2	1.8
Health services	36.9	36.8	36.3	.0	.6
Hospitals	18.8	18.7	18.8	.0	.0
Educational services	7.9	5.5	7.6	2.4	.3
GOVERNMENT	72.2	65.9	72.1	6.3	.1
Federal government	27.9	27.8	28.5	.1	-.6
State government	6.6	6.6	6.4	.0	.2
State government education ^h	3.7	3.6	3.4	.1	.2
State government, except education ...	2.9	3.0	2.9	-.1	.0
Local government	37.7	31.5	37.2	6.2	.5
Local government education	22.6	16.3	22.4	6.3	.2
Local government, except education ...	15.1	15.2	14.8	-.1	.3

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

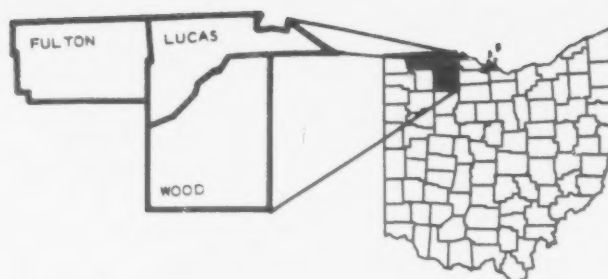
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$554.12	\$522.44	\$487.69	43.7	42.2	41.4	\$12.68	\$12.38	\$11.78
Durable Goods ^e	560.64	531.68	496.80	43.8	42.5	41.4	12.80	12.51	12.00
Fabricated metal products	379.61	383.46	367.35	40.6	41.1	39.8	9.35	9.33	9.23
Machinery, except electrical	602.09	569.85	533.81	45.1	43.6	41.9	13.35	13.07	12.74
Metalworking machinery	580.37	571.14	526.11	47.3	46.7	44.1	12.27	12.23	11.93
General industrial machinery	489.95	486.86	446.89	44.1	44.1	40.7	11.11	11.04	10.98
Electric and electronic equipment	450.58	444.77	427.20	44.7	44.3	44.5	10.08	10.04	9.60
Electrical industrial apparatus	534.86	524.37	499.11	47.0	46.2	46.3	11.38	11.35	10.78
Transportation equipment	698.36	654.66	588.14	44.2	42.1	41.1	15.80	15.55	14.31
Nondurable Goods ^f	532.22	495.56	461.90	43.2	41.4	41.5	12.32	11.97	11.13
Food and kindred products	368.49	360.80	408.56	42.6	42.1	46.8	8.65	8.57	8.73
Paper and allied products	510.72	458.96	500.65	45.6	41.8	46.1	11.20	10.98	10.86
Printing and publishing	463.24	460.23	455.63	39.9	40.3	40.5	11.61	11.42	11.25
Rubber and misc. plastics products	716.89	662.34	515.22	43.9	42.0	37.2	16.33	15.77	13.85
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	554.29	554.45	548.37	40.4	40.5	40.5	13.72	13.69	13.54
WHOLESALE TRADE	406.69	405.34	433.21	39.6	39.7	42.1	10.27	10.21	10.29
RETAIL TRADE ^h	164.15	163.31	161.88	28.4	28.6	28.5	5.78	5.71	5.68
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	356.59	363.24	364.57	33.8	34.3	34.2	10.55	10.59	10.66

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	2,315	2,757	2,525
Active File of Job Seekers	12,538	14,385	19,167
Referrals to Jobs	1,665	3,183	1,347
Placements	725	1,694	288
Job Openings Received	1,109	2,792	822
Job Openings Unfilled	2,065	2,488	2,163
Unemployment Insurance Program			
Initial Claims	2,523	4,254	2,695
Continued Claims	18,407	24,736	21,110
First Payments	1,407	1,919	1,299
Last Payments	346	343	335
Weeks Compensated	16,098	18,767	17,303
Benefits Paid	\$2,323,997	\$2,711,115	\$2,400,425
Average Weekly Payment	\$147.37	\$147.03	\$141.73

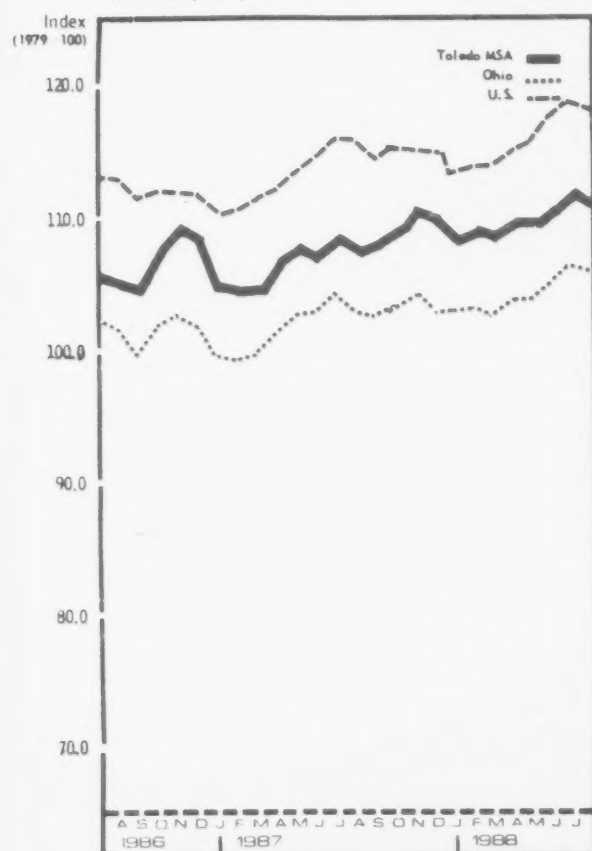
TOLEDO METROPOLITAN STATISTICAL AREA



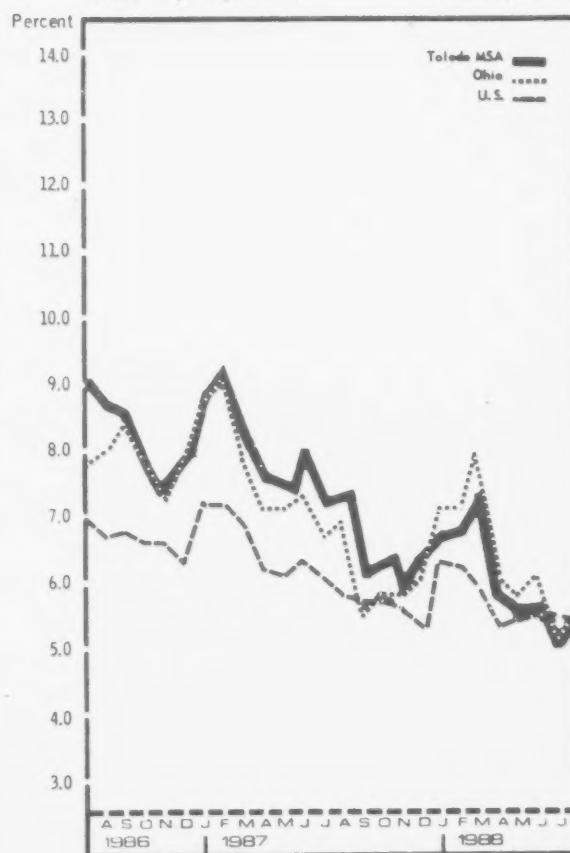
Nonfarm payroll employment in the Toledo metropolitan area totaled 294,400 in September 1988, up 6,200 from the August level. The return of nonteaching personnel in state and local schools and colleges helped raise nonmanufacturing employment 5,900 over the month. Gains in nondurable-goods industries, especially food and kindred products, increased manufacturing employment 300, to 63,600. Production worker average hourly earnings dropped slightly from August, to \$12.93 per hour. Their average workweek of 43.4 hours was .9 hours longer.

Nonagricultural wage and salary employment advanced 11,000 between September 1987 and September 1988. The nonmanufacturing sector netted 92.7 percent of the gain. Primary growth industries were services (+4,300), retail trade (+3,000), and construction (+1,900). Manufacturing employment increased 700 over the year. Modest improvements occurred in rubber and miscellaneous plastics products, stone, clay, and glass products, fabricated metal products, and primary metal industries. Employment in transportation equipment and electric and electronic equipment declined during the period.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

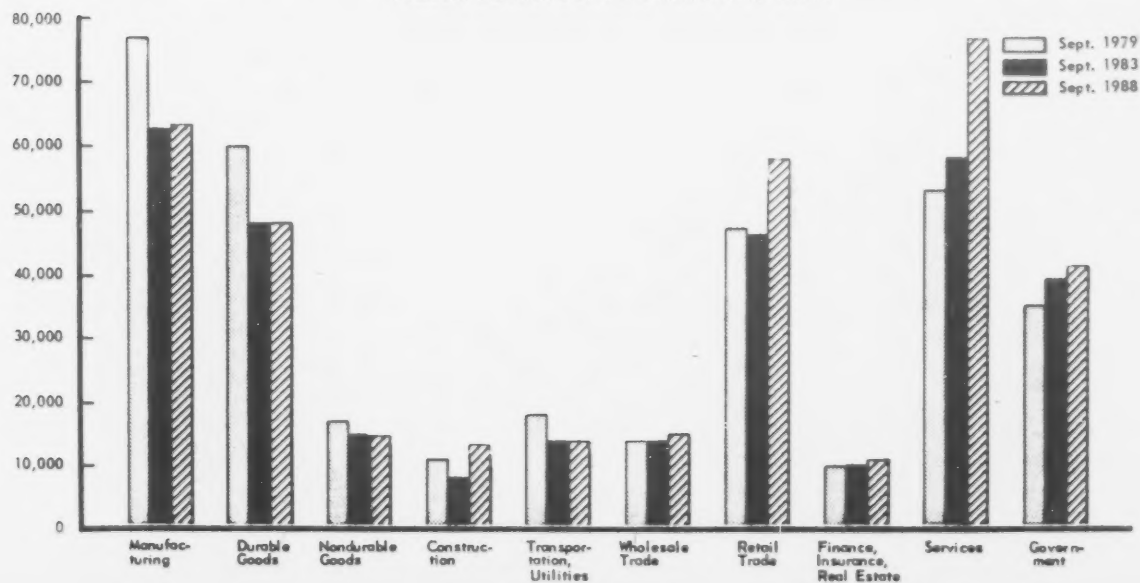


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed							Manufacturing Employment			
Unemployed		Total	Rate				Manufacturing Production Workers			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
1987										
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
1988										
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
313.7	296.8	16.9	5.4	August	288.2	63.3	45.3	549.95	42.5	12.94
INA	INA	INA	INA	September	294.4	63.6	45.6	561.16	43.4	12.93

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	294.4	288.2	283.4	6.2	11.0
MANUFACTURING	63.6	63.3	62.9	.3	.7
Durable Goods ^e	48.3	48.5	48.0	-.2	.3
Stone, clay, and glass products	8.3	8.4	8.1	-.1	.3
Primary metal industries	3.6	3.5	3.4	.1	.2
Fabricated metal products	7.8	7.8	7.5	.0	.3
Metal forgings and stampings	3.4	3.4	3.3	.0	.1
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.0	2.0	2.5	.0	-.5
Transportation equipment	15.3	15.6	16.0	-.3	-.7
Motor vehicles and equipment	14.3	14.5	15.0	-.3	-.8
Nondurable Goods ^f	15.4	14.9	14.9	.5	.4
Food and kindred products	4.3	4.1	4.4	.3	-.1
Rubber and misc. plastics products	3.3	3.3	2.8	.1	.5
NONMANUFACTURING ^g	230.8	224.9	220.5	5.9	10.2
CONSTRUCTION	13.6	13.5	11.8	.2	1.9
TRANSPORTATION AND PUBLIC UTILITIES	14.2	14.2	14.1	.0	.1
Trucking and warehousing	5.6	5.6	5.5	.0	.1
Communication, electric, gas services ..	5.1	5.1	5.0	.0	.1
WHOLESALE TRADE	15.2	15.3	14.8	-.1	.4
Wholesale trade-durable goods	10.1	10.1	9.8	.0	.2
RETAIL TRADE	57.9	57.4	54.9	.4	3.0
General merchandise stores	7.7	7.6	7.6	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.4	11.4	.0	-.1
Banking	3.6	3.6	3.6	.0	.0
SERVICES	76.7	76.5	72.4	.2	4.3
Business services	16.7	16.6	15.2	.1	1.5
Health services	27.7	27.5	27.1	.2	.6
Hospitals	15.1	15.1	15.3	.0	-.2
GOVERNMENT	41.5	36.3	40.8	5.2	.7
State government	14.5	11.6	14.3	2.9	.2
State government education ^h	10.4	7.4	10.3	3.0	.1
State government, except education ...	4.1	4.2	4.0	-.1	.1
Local government	24.4	22.0	23.9	2.3	.5
Local government education	13.7	11.2	13.5	2.5	.2
Local government, except education ...	10.7	10.9	10.4	-.1	.3

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

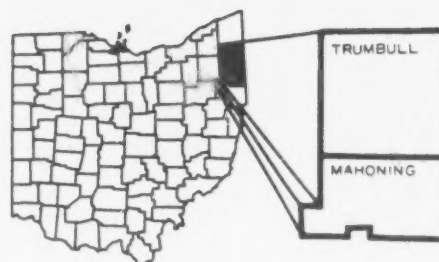
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$561.16	\$549.95	\$539.33	43.4	42.5	42.4	\$12.93	\$12.94	\$12.72
Durable Goods ^d	576.29	561.74	559.63	43.2	42.3	42.3	13.34	13.28	13.23
Stone, clay, and glass products	500.94	523.65	507.99	39.6	41.2	41.0	12.65	12.71	12.39
Primary metal industries	523.49	508.24	441.57	45.6	44.7	40.4	11.48	11.37	10.93
Fabricated metal products	539.18	499.32	539.30	43.8	41.3	42.7	12.31	12.09	12.63
Metal forgings and stampings	653.23	624.34	676.01	43.9	42.1	45.4	14.88	14.83	14.89
Machinery, except electrical	516.09	492.48	496.08	42.9	41.7	42.4	12.03	11.81	11.70
Electric and electronic equipment	481.07	488.78	510.84	41.4	42.1	40.9	11.62	11.61	12.49
Transportation equipment	708.05	693.60	672.19	43.2	42.5	43.2	16.39	16.32	15.56
Motor vehicles and equipment	713.31	699.18	674.08	43.1	42.4	43.1	16.55	16.49	15.64
Nondurable Goods ^e	509.52	511.69	472.94	44.0	43.4	42.8	11.58	11.79	11.05
Food and kindred products	644.35	648.57	509.08	49.0	47.1	43.4	13.15	13.77	11.73
Rubber and misc. plastics products	357.37	339.47	352.67	41.7	40.9	42.8	8.57	8.30	8.24
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	610.90	628.54	611.29	41.9	42.7	42.1	14.58	14.72	14.52
WHOLESALE TRADE	387.22	396.98	360.21	38.8	39.5	37.6	9.98	10.05	9.58
RETAIL TRADE^h	161.30	160.11	161.37	28.6	28.9	29.5	5.64	5.54	5.47

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	2,039	2,411	2,173
Active File of Job Seekers	16,676	17,289	12,890
Referrals to Jobs	1,441	2,007	1,406
Placements	470	787	748
Job Openings Received	951	1,410	974
Job Openings Unfilled	1,749	1,629	1,110
Unemployment Insurance Program			
Initial Claims	2,623	3,420	3,237
Continued Claims	15,889	18,400	21,784
First Payments	1,191	1,558	857
Last Payments	225	262	325
Weeks Compensated	13,517	13,795	16,266
Benefits Paid	\$2,015,180	\$1,993,002	\$2,316,646
Average Weekly Payment	\$152.31	\$147.44	\$145.41

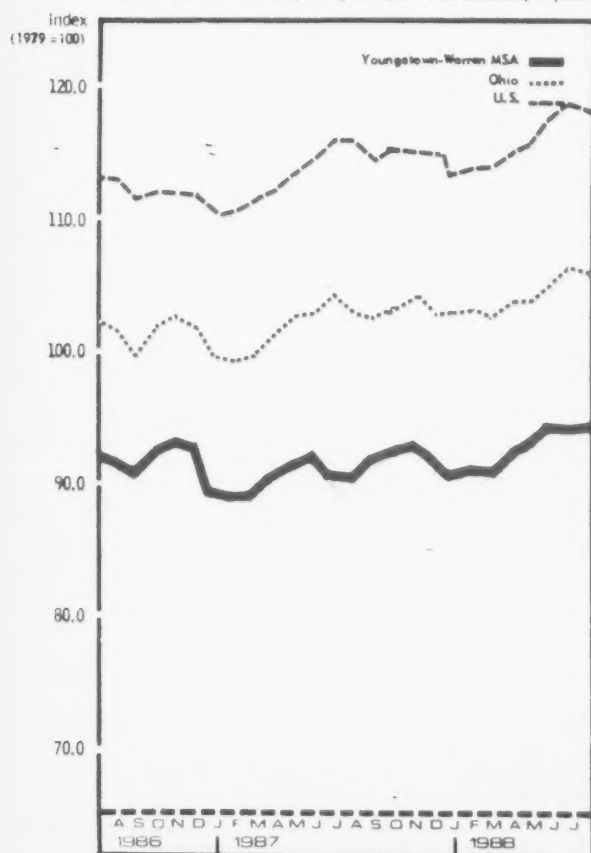
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



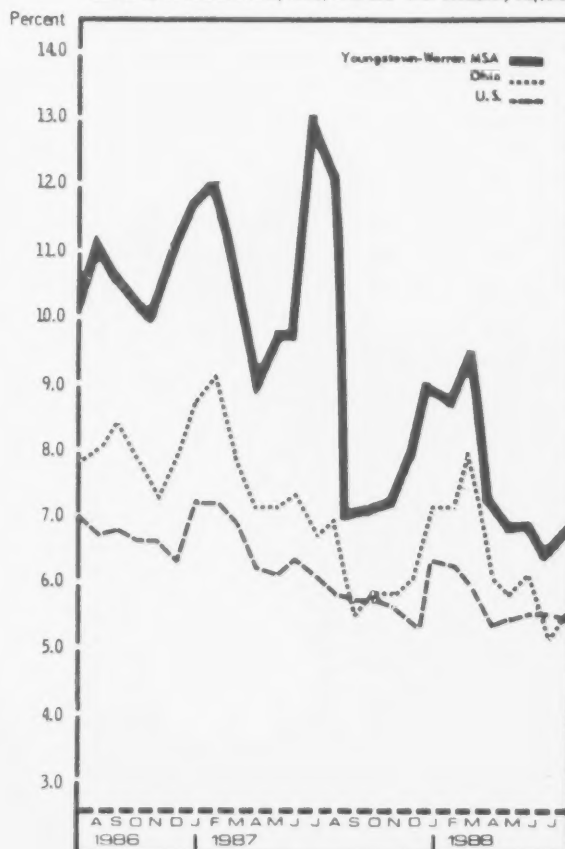
In the Youngstown-Warren metropolitan area, nonfarm payroll employment increased 3,800 from August, to 198,300 in September 1988. Nonmanufacturing employment rose 2,300 due to the return of nonteaching personnel in local schools and modest growth in services. Improvements in primary metal industries, transportation equipment, and fabricated metal products contributed to the increase of 1,500 jobs in the manufacturing sector. Factory production workers averaged \$13.62 per hour, up \$.22 from last month. Their average workweek, 43.6 hours, was 2.0 hours longer.

Nonagricultural wage and salary employment advanced 6,500 between September 1987 and September 1988. Noteworthy expansion occurred in retail trade, services, and construction. Manufacturing employment added 900 workers over the year, to 51,400. Improvements were recorded in primary metal industries and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

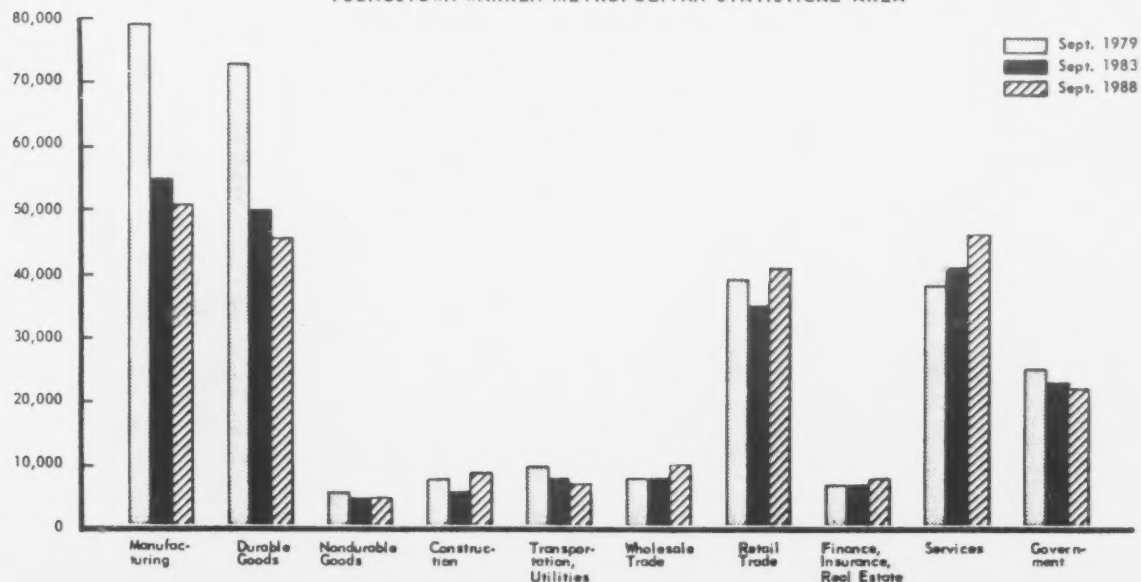


YOUNGSTOWN-WARREN NSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
					Manufacturing Production Workers					
					Hours and Earnings					
					Average Weekly Earnings Average Weekly Hours Average Hourly Earnings					
		Total	Rate							
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	\$313.50	40.4	\$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
225.2	197.9	27.4	12.1	1987 August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	1987 September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	1987 October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	1987 November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	1987 December	191.5	49.4	37.6	560.03	41.7	13.43
218.9	199.2	19.7	9.0	1988 January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	1988 February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	1988 March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	1988 April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	1988 May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	1988 June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	1988 July	193.2	48.5	36.4	568.09	42.3	13.43
223.2	207.9	15.4	6.9	1988 August	194.5	49.9	37.8	557.44	41.6	13.40
INA	INA	INA	INA	1988 September	198.3	51.4	39.3	593.83	43.6	13.62

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown - Warren MSA

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	September 1988 ^b	August 1988 ^c	September 1987 ^c	From Last Month	From Last Year
TOTAL	198.3	194.5	191.8	3.8	6.5
MANUFACTURING	51.4	49.9	50.5	1.5	.9
Durable Goods ^e	45.9	44.4	45.1	1.5	.8
Primary metal industries	19.4	18.7	19.0	.7	.3
Blast furnace and basic steel products	5.6	5.5	5.5	.1	.1
Fabricated metal products	7.7	7.4	7.4	.3	.3
Machinery, except electrical	3.8	3.8	3.7	.0	.1
Electric and electronic equipment	2.2	2.2	2.2	.0	.0
Transportation equipment	9.7	9.3	9.6	.4	.1
Nondurable Goods ^f	5.5	5.5	5.4	.1	.1
NONMANUFACTURING ^g	146.9	144.6	141.3	2.3	5.6
CONSTRUCTION	9.3	9.4	8.3	.1	1.0
TRANSPORTATION AND PUBLIC UTILITIES	7.8	7.7	7.7	.1	.1
Communication, electric, gas services ..	3.0	3.0	3.0	.0	.1
WHOLESALE TRADE	10.6	10.6	9.8	.0	.8
Wholesale trade-durable goods	6.4	6.4	6.3	.0	.2
RETAIL TRADE	41.0	41.0	38.8	.1	2.2
General merchandise stores	5.3	5.2	5.3	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.5	8.2	.1	.2
Banking	2.9	2.9	2.8	.0	.0
SERVICES	46.5	46.0	45.2	.5	1.3
Health services	20.0	20.1	19.6	.1	.4
Hospitals	10.3	10.3	10.1	.1	.1
GOVERNMENT	22.5	20.8	22.5	1.8	.1
State government	3.2	3.3	3.3	.1	.1
State government education ^h	1.8	1.8	1.8	.0	.0
State government, except education ...	1.5	1.6	1.5	.1	.0
Local government	17.2	15.3	17.1	1.9	.1
Local government education	10.6	8.7	10.8	1.9	.2
Local government, except education ...	6.6	6.6	6.3	.0	.3

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c	Sept. 1988 ^b	Aug. 1988 ^c	Sept. 1987 ^c
MANUFACTURING	\$593.83	\$557.44	\$581.52	43.6	41.6	43.3	\$13.62	\$13.40	\$13.43
Durable Goods ^e	609.26	572.35	596.39	43.8	41.9	43.5	13.91	13.66	13.71
Primary metal industries	660.50	622.22	665.42	43.8	41.9	44.9	15.08	14.85	14.82
Blast furnace and basic steel products	618.78	604.34	634.33	45.7	44.7	46.2	13.54	13.52	13.73
Fabricated metal products	554.61	538.97	510.63	41.7	41.3	39.8	13.30	13.05	12.83
Machinery, except electrical	502.14	480.36	469.34	43.4	42.1	40.6	11.57	11.41	11.56
Electric and electronic equipment	469.96	459.79	418.82	41.7	41.2	37.8	11.27	11.16	11.08
Transportation equipment	675.65	608.86	660.96	46.5	42.4	45.9	14.53	14.36	14.40
Nondurable Goods ^f	438.69	412.26	429.11	41.9	39.3	41.3	10.47	10.49	10.39
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	567.59	564.98	557.44	40.6	40.5	40.6	13.98	13.95	13.73
WHOLESALE TRADE	372.53	367.49	341.71	39.8	39.6	37.8	9.36	9.28	9.04
RETAIL TRADE ^h	175.78	178.19	174.64	29.2	29.6	29.4	6.02	6.02	5.94

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Employment Service Program

New Applicants 2,736
Active File of Job Seekers 17,310

Referrals to Jobs 1,450
Placements 366

Job Openings Received 518
Job Openings Unfilled 1,279

Unemployment Insurance Program

Initial Claims 2,170
Continued Claims 14,056

First Payments 1,278
Last Payments 220

Weeks Compensated 12,074
Benefits Paid \$1,722,414
Average Weekly Payment \$145.91

	September 1988	August 1988	September 1987
New Applicants	2,736	2,973	2,067
Active File of Job Seekers	17,310	17,000	17,771
Referrals to Jobs	1,450	1,491	1,670
Placements	366	372	261
Job Openings Received	518	717	615
Job Openings Unfilled	1,279	1,648	897
Initial Claims	2,170	3,369	3,170
Continued Claims	14,056	17,947	18,294
First Payments	1,278	1,735	973
Last Payments	220	232	309
Weeks Compensated	12,074	14,252	15,007
Benefits Paid	\$1,722,414	\$2,043,692	\$2,025,944
Average Weekly Payment	\$145.91	\$146.27	\$139.90

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	.40	.2
Manufacturing	.56	.3
Nonmanufacturing	.35	.2
Mining	.58	1.1
Construction	.17	1.1
Transportation and Public Utilities	.43	.3
Wholesale Trade	.19	.3
Retail Trade	.20	.4
Finance, Insurance, and Real Estate	.42	.2
Services	.26	.3
Government	.70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	September 1988	August 1988	September 1987
New Applicants	36,557	41,677	40,724
Active File of Job Seekers	249,362	260,482	270,888
Counseling Interviews	1,297	1,422	1,073
Tests Administered	2,089	3,262	3,584
General Aptitude Tests	268	223	146
Proficiency Tests	380	400	495
Specific Aptitude Tests	322	296	891
Referrals to Jobs	26,723	35,536	26,887
Placements	6,724	10,279	7,808
Job Openings Received	12,301	20,060	14,037
Job Openings Unfilled	28,473	31,465	24,185

Selected Unemployment Insurance Activities

	September 1988	August 1988	September 1987
Initial Claims	36,030	50,357	43,944
Continued Claims	274,747	345,821	338,667
First Payments	17,918	24,581	17,634
Last Payments	4,871	5,591	5,642
Average Weekly Claimants	64,414	73,328	74,932
Average Weekly Benefit Recipients	53,834	58,646	60,664
Weeks Compensated	232,742	264,289	262,226
Benefits Paid	\$35,206,112	\$39,148,040	\$37,742,851
Average Weekly Payment	\$154.62	\$151.17	\$147.53
Continued Claims for Survey Week	61,278	70,513	76,033
Insured Unemployment Rate	1.5	1.7	1.8
Net Contributions	\$3,092,776	\$148,460,982	\$5,135,115
Active Employer Accounts	201,088	200,659	196,665

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LABOR MARKET INFORMATION DIVISION
145 SOUTH FRONT STREET
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio Labor Market Information

Labor Market Review

October 1988

Summary. Ohio's seasonally adjusted unemployment rate fell from 5.8 percent in September to 5.6 percent in October. The national rate also declined slightly, from 5.4 percent to 5.3 percent. Total employment in Ohio reached a new high of 5,016,000. The number of jobless Ohioans fell 9,000 from September, to 295,000 in October. Nonagricultural wage and salary employment, at 4,721,000 (seasonally adjusted), was up 21,000 from September. (See page 3.)

Factory Employment. Manufacturing employment in Ohio rose 8,000 from September, to 1,107,000 in October. Durable-goods employment, at 742,000, increased 6,000 from September, while nondurable-goods employment advanced 2,000, to 365,000.

Nonmanufacturing. Employment gains of 5,000 in services and 4,000 in retail trade helped raise nonmanufacturing employment 13,000 from September, to 3,615,000 in October. Government increased 2,000, while wholesale trade and finance, insurance, and real estate each were up 1,000. No change in employment occurred in mining, construction, or transportation and public utilities.

Over the Year. In October 1987, both Ohio and the U.S. had the same unemployment rate of 6.0 percent. Ohio's rate dropped to 5.6 percent in October 1988, while the U.S. rate fell to 5.3 percent. Total employment rose 116,000 and total unemployment declined 20,000. Nonagricultural payroll employment was up 111,000 from October 1987. Services and retail trade had employment gains of 42,000 and 26,000, respectively. All other divisions had greater employment except mining, which was unchanged. Employment increases in both durable- and nondurable-goods industries raised manufacturing employment 10,000 from October 1987.

Factory Hours and Earnings. Production workers in manufacturing industries earned an average of \$523.06 per week in October, up \$1.29 from September. Their average workweek was unchanged at 43.3 hours. Increased earnings due to more overtime occurred in metal forgings and stampings, metalworking machinery, iron and steel foundries, and fabricated structural metal products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 43,496 in October, up 20.7 percent from September, but down 8.3 percent from October 1987. The average weekly payment of \$154.44 was \$.18 lower. Total benefits paid fell 15.4 percent, to \$29.8 million. The average weekly number of benefit recipients, at 48,898, was down 9.2 percent. At the end of October, there were 200,778 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services aided 38,294 new job applicants in October, up 4.8 percent from September, but down 15.4 percent from October 1987. The number of job openings received from employers rose 15.4 percent from September, to 14,190 in October. The Employment Services Division made 31,168 job referrals and 9,249 placements.

The Ohio Data Users Center has published population estimates for Ohio Metropolitan Statistical Areas and Ohio counties.

See pages 14 and 15 for more information.

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**Seasonally Adjusted Civilian Labor Force
& Nonagricultural Wage & Salary Employment
Estimates for Ohio^a**

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Oct. 1988	Sep. 1988	Oct. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,311	5,251	5,215	60	96	1.1	1.8
Employment	5,016	4,947	4,900	69	116	1.4	2.4
Unemployment	295	304	315	-9	-20	-3.0	-6.3
Unemployment Rate	5.6	5.8	6.0				
Employer Survey Data^e							
Total	4,721	4,700	4,610	21	111	0.5	2.4
Manufacturing	1,107	1,098	1,097	8	10	0.8	0.9
Durable Goods	742	736	736	6	6	0.9	0.8
Nondurable Goods	365	362	361	2	3	0.6	1.0
Nonmanufacturing	3,615	3,602	3,514	13	101	0.4	2.9
Mining	20	20	20	0	0	0.0	-1.0
Construction	192	192	180	0	12	0.1	6.7
Transportation and Public Utilities	210	210	208	0	2	-0.2	1.2
Wholesale Trade	259	258	251	1	8	0.5	3.1
Retail Trade	880	876	855	4	26	0.5	3.0
Finance, Insurance, and Real Estate	253	252	246	1	7	0.5	2.9
Services	1,106	1,101	1,064	5	42	0.4	3.9
Government	695	693	690	2	5	0.3	0.7
Goods Producing Industries ^f	1,319	1,310	1,297	9	22	0.7	1.7
Service Producing Industries ^g	3,403	3,390	3,313	13	89	0.4	2.7

^aData for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. ^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. ^fIncludes Mining, Construction, and Manufacturing. ^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
5,230	4,813	417	8.0	6.9
5,265	4,868	397	7.5	6.9
5,275	4,854	421	8.0	6.7
5,276	4,849	427	8.1	6.7
5,295	4,850	445	8.4	6.6
5,237	4,838	399	7.6	6.5
5,236	4,854	382	7.3	6.3
5,277	4,884	393	7.4	6.3
5,251	4,874	377	7.2	6.1
5,252	4,886	366	7.0	6.0
5,234	4,873	361	6.9	6.0
5,181	4,891	290	5.6	5.9
5,215	4,900	315	6.0	6.0
5,263	4,945	318	6.0	5.9
5,264	4,937	327	6.2	5.8
5,330	4,983	347	6.5	5.8
5,355	5,013	342	6.4	5.7
5,369	4,958	411	7.7	5.6
5,277	4,945	332	6.3	5.4
5,248	4,922	326	6.2	5.6
5,271	4,959	312	5.9	5.3
5,252	4,973	279	5.3	5.4
5,298	5,000	298	5.6	5.6
5,251	4,947	304	5.8	5.4
5,311	5,016	295	5.6	5.3

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural			
	Manufacturing		
	Durable	Nondurable	
1986			
October	4,495	1,098	740
November	4,509	1,102	744
December	4,521	1,103	745
1987			
January	4,532	1,096	740
February	4,549	1,099	742
March	4,552	1,093	737
April	4,552	1,096	738
May	4,560	1,094	736
June	4,568	1,092	735
July	4,567	1,082	725
August	4,589	1,095	734
September	4,597	1,097	737
October	4,610	1,097	736
November	4,626	1,100	738
December	4,639	1,103	739
1988			
January	4,654	1,104	739
February	4,665	1,102	737
March	4,667	1,096	732
April	4,667	1,099	736
May	4,673	1,099	736
June	4,682	1,100	737
July	4,687	1,099	736
August	4,689	1,098	736
September	4,700	1,098	736
October	4,721	1,107	742

Ohio Nonmanufacturing Wage & Salary Employment

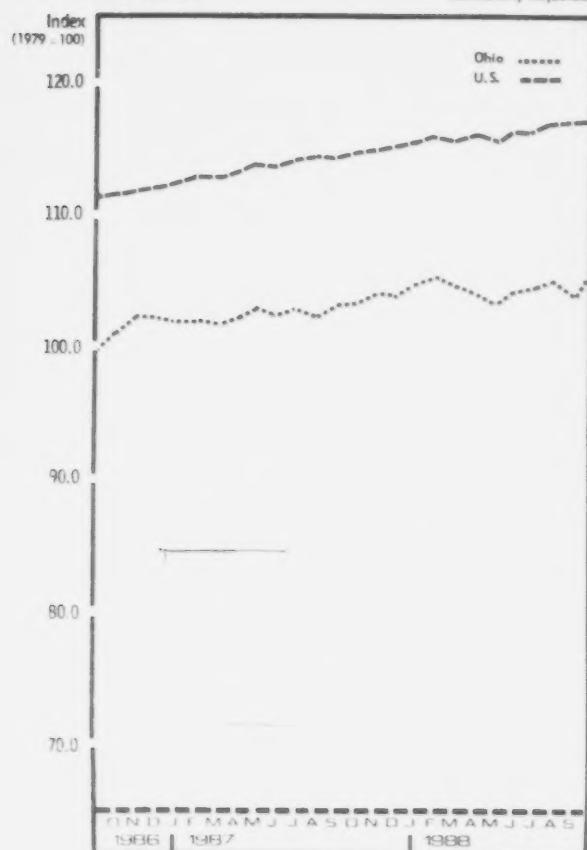
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,397	22	163	205	244	827	237	1017	683
3,406	22	164	206	244	828	238	1023	682
3,418	22	165	206	244	830	239	1028	684
3,436	22	173	206	245	836	239	1029	686
3,451	22	174	206	246	842	240	1035	686
3,459	21	175	206	246	845	241	1038	687
3,457	21	173	206	247	841	241	1040	687
3,467	21	174	207	248	844	242	1044	687
3,476	21	175	207	248	845	243	1049	688
3,484	21	176	207	249	847	244	1054	686
3,494	21	177	207	250	850	245	1057	688
3,500	21	178	207	251	852	245	1060	686
3,514	20	180	208	251	855	246	1064	690
3,526	20	182	207	252	857	246	1069	692
3,536	20	185	208	253	859	247	1072	693
3,550	20	191	208	253	864	248	1075	689
3,563	20	192	207	254	869	249	1079	692
3,572	20	192	208	254	870	249	1084	694
3,568	20	191	209	254	868	250	1084	693
3,574	20	190	209	254	869	250	1088	693
3,582	20	191	209	256	870	250	1092	694
3,588	20	191	210	256	873	251	1094	693
3,591	20	191	210	257	875	252	1098	688
3,602	20	192	210	258	876	252	1101	693
3,615	20	192	210	259	880	253	1106	695

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

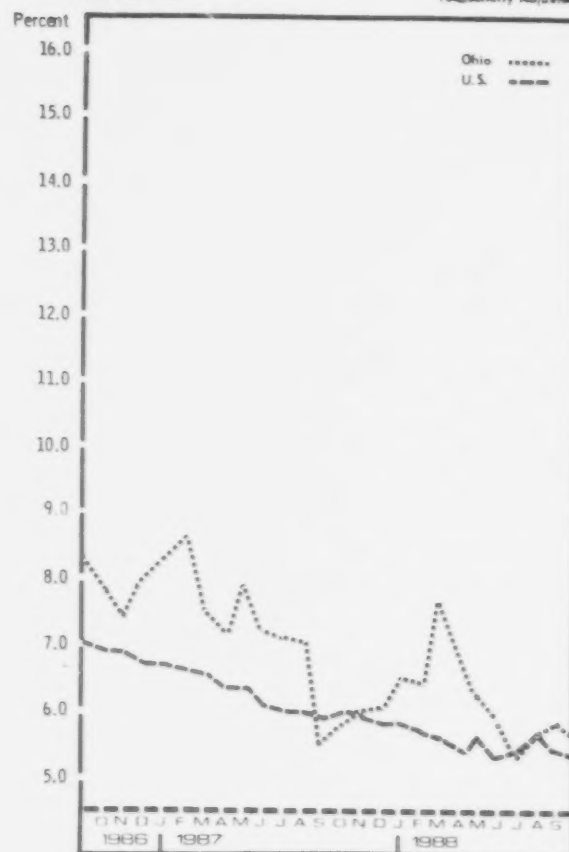
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.

(Seasonally Adjusted)

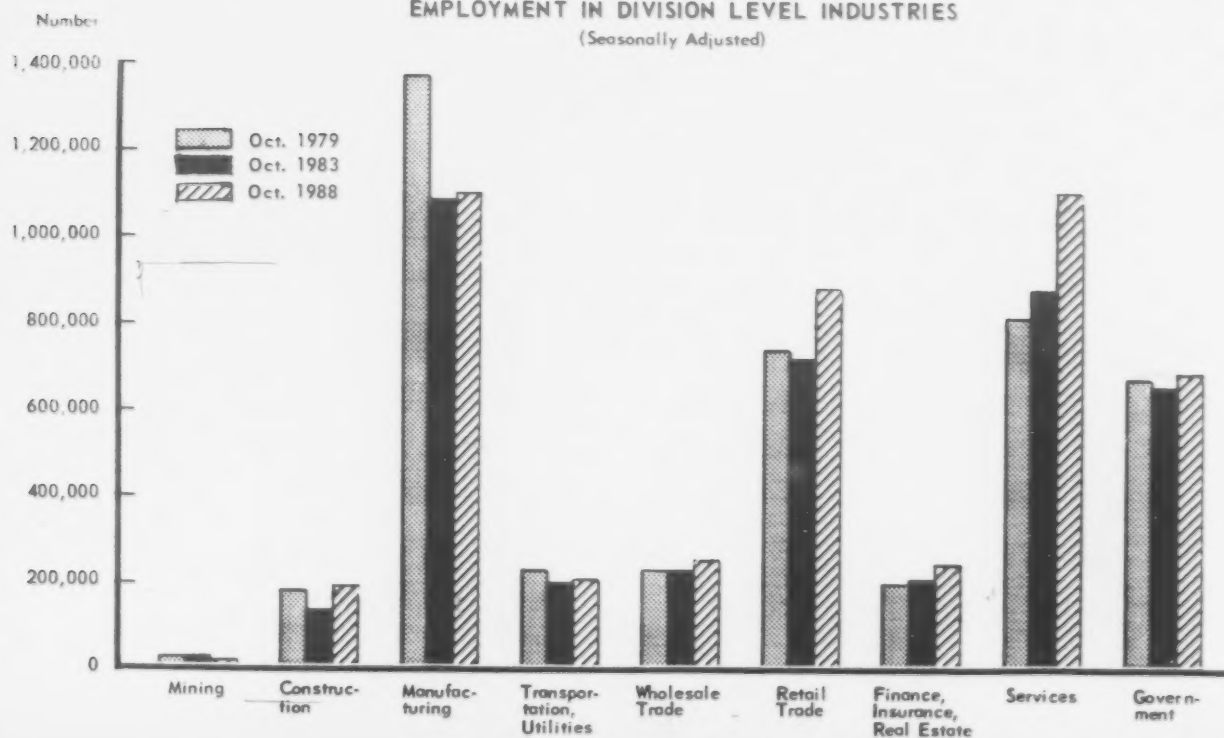


UNEMPLOYMENT RATES
OHIO AND U.S.

(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.		Manufacturing			
								Durable	Nondurable
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,231	4,806	425	8.1	7.0	1986	4,471.4	1,109.8	752.7	357.1
5,248	4,881	367	7.0	6.2	1987	4,578.9	1,095.3	736.4	358.9
					1987				
5,243	4,940	302	5.8	5.7	October	4,658.8	1,099.8	736.4	363.4
5,285	4,980	305	5.8	5.6	November	4,674.2	1,103.7	740.2	363.6
5,259	4,937	322	6.1	5.4	December	4,676.9	1,102.9	738.6	364.3
					1988				
5,258	4,883	375	7.1	6.3	January	4,565.8	1,094.5	732.6	361.9
5,279	4,905	374	7.1	6.2	February	4,568.8	1,092.4	732.3	360.1
5,295	4,879	416	7.9	5.9	March	4,595.8	1,088.8	729.0	359.7
5,257	4,941	316	6.0	5.3	April	4,653.9	1,097.7	737.1	360.6
5,243	4,941	302	5.8	5.4	May	4,704.6	1,099.7	738.4	361.3
5,325	5,002	323	6.1	5.5	June	4,728.6	1,106.7	742.1	364.7
5,336	5,064	272	5.1	5.5	July	4,692.8	1,100.0	736.6	363.3
5,343	5,044	299	5.6	5.4	August	4,693.3	1,101.2	735.6	365.6
5,251	4,952	300	5.7	5.2	September	4,745.2	1,109.4	740.7	368.7
5,327	5,052	276	5.2	5.0	October	4,772.2	1,109.5	742.6	366.9

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.2
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
1987									
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
1988									
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	March	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	April	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	May	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	June	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	July	878.8	253.9	1,108.4	653.2
3,592.0	20.5	212.2	211.7	258.1	August	883.8	254.4	1,110.1	641.3
3,635.9	20.5	211.6	212.5	258.3	September	885.7	252.9	1,115.2	679.0
3,662.8	20.5	212.1	212.7	260.1	October	888.1	253.1	1,112.3	703.8

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio^a

Manufacturing Employment (in thousands)

Manufacturing			
	Durable Goods	Nondurable Goods	
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,095.3	736.4	358.9	1987
			1987
1,099.8	736.4	363.4	October
1,103.7	740.2	363.6	November
1,102.9	738.6	364.3	December
			1988
1,094.5	732.6	361.9	January
1,092.4	732.3	360.1	February
1,088.8	729.0	359.7	March
1,097.7	737.1	360.6	April
1,099.7	738.4	361.3	May
1,106.7	742.1	364.7	June
1,100.0	736.6	363.3	July
1,101.2	735.6	365.6	August
1,109.4	740.7	368.7	September
1,109.5	742.6	366.9	October

Production Workers In Manufacturing

Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
958.0	\$271.2	40.2
985.5	302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
748.5	374.0	31.9
1987		
753.7	380.3	32.3
759.0	388.2	32.8
758.6	388.9	32.8
1988		
750.1	380.8	32.1
748.5	376.4	31.7
744.5	378.6	31.8
752.3	388.8	32.4
754.3	389.5	32.4
759.3	396.2	32.9
751.9	377.8	31.8
753.6	380.6	32.0
762.7	398.0	33.0
762.7	398.9	33.0

Production Workers Average Weekly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$283.08	\$292.02	\$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.22	465.89	April
516.43	540.27	460.90	May
521.77	547.87	464.62	June
502.52	521.85	461.47	July
504.98	525.21	460.22	August
521.77	545.38	469.63	September
523.06	547.12	466.99	October

Production Workers Average Weekly Hours

Manufacturing			
	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.0	43.5	41.9	May
43.3	43.9	42.2	June
42.3	42.6	41.8	July
42.4	42.7	41.8	August
43.3	43.7	42.5	September
43.3	43.7	42.3	October

Production Workers Average Hourly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$6.74	\$6.92	\$6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
			1987
11.76	12.13	10.90	October
11.84	12.22	10.96	November
11.84	12.21	10.99	December
			1988
11.86	12.23	10.98	January
11.86	12.27	10.92	February
11.91	12.31	10.97	March
12.02	12.43	11.04	April
12.01	12.42	11.00	May
12.05	12.48	11.01	June
11.88	12.25	11.04	July
11.91	12.30	11.01	August
12.05	12.48	11.05	September
12.08	12.52	11.04	October

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings **in Selected Major Manufacturing Industries in Ohio^a**

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
------------------------------------	--------------------------------	---------------------------------

Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
------------------------------------	---------------------------------------	-----------------------------

Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment (in thousands)

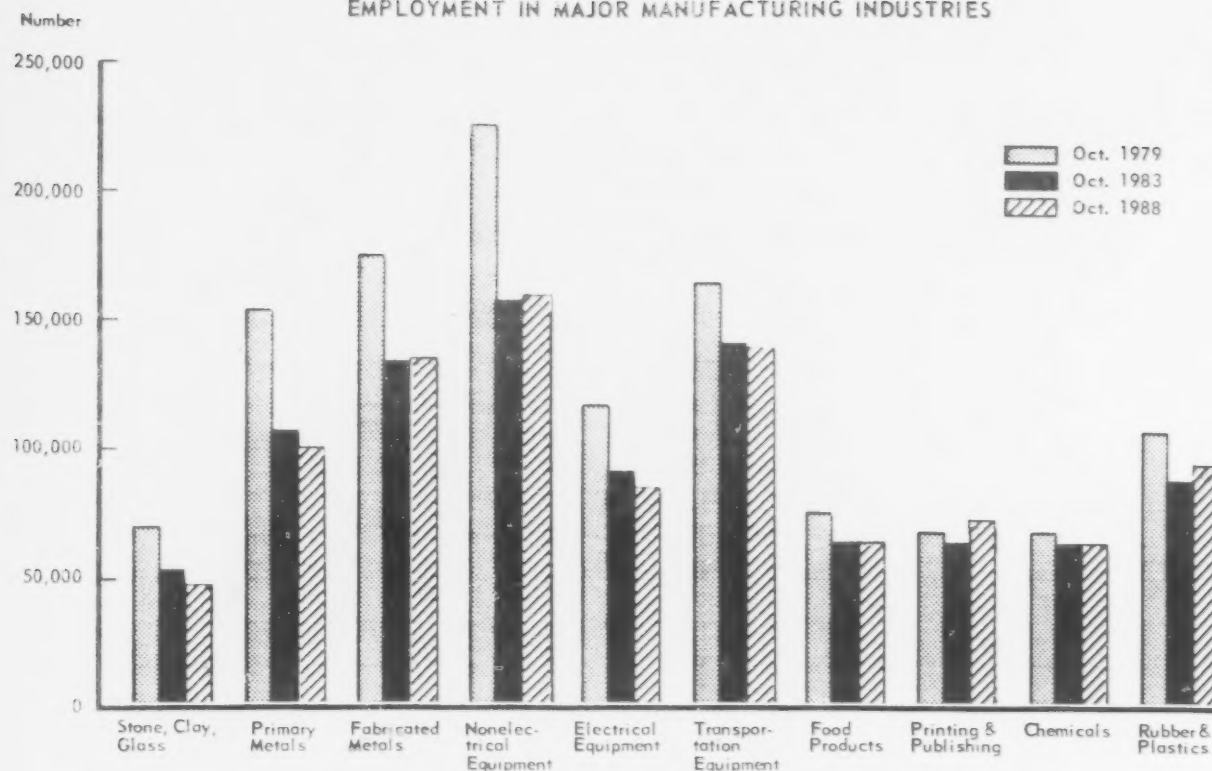
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.6	100.4	134.6	September	158.4	85.3	138.0	September	67.4	71.5	94.3
48.5	100.3	134.7	October	158.9	85.6	139.2	October	65.4	71.7	94.8

Average Weekly Earnings of Production Workers

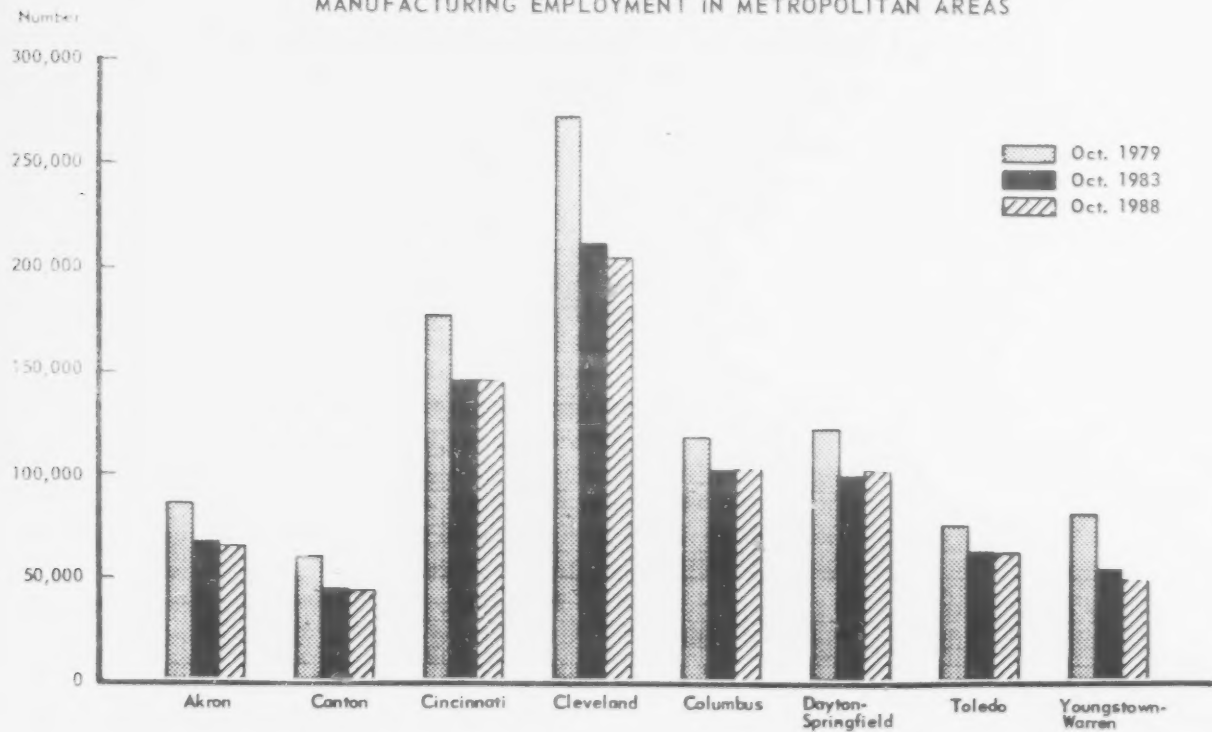
\$253.95	\$329.54	\$290.44	1977	\$279.18	\$248.44	\$359.20	1977	\$258.54	\$271.96	\$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
470.18	634.11	524.71	October	535.04	472.92	693.82	October	435.14	449.46	451.97

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	4772.2	4745.2	4658.8	27.0	113.4
MANUFACTURING	1109.5	1109.4	1099.8	.1	9.6
Durable Goods ^e	742.6	740.7	736.4	1.9	6.2
Lumber and wood products	23.0	22.9	20.6	.1	2.4
Furniture and fixtures	14.3	14.4	14.6	-.1	-.3
Stone, clay, and glass products	48.5	48.6	48.2	.0	.3
Glass and glassware, pressed or blown ..	9.6	9.5	9.8	.1	-.1
Primary metal industries	100.3	100.4	97.5	.0	2.8
Blast furnace and basic steel products ..	44.9	45.1	43.7	-.2	1.2
Iron and steel foundries	21.6	21.8	20.3	-.1	1.3
Nonferrous rolling and drawing	18.2	18.1	17.9	.0	.2
Fabricated metal products	134.7	134.6	134.1	.1	.6
Cutlery, hand tools, and hardware	9.9	9.9	9.8	.0	.1
Fabricated structural metal products ..	28.5	28.7	29.4	-.1	-.8
Metal forgings and stampings	42.4	42.2	42.4	.2	.0
Machinery, except electrical	158.9	158.4	153.9	.5	5.0
Construction and related machinery ...	12.6	12.7	12.3	-.1	.3
Metalworking machinery	40.5	40.2	39.4	.3	1.1
Special industry machinery	18.0	17.9	16.5	.1	1.5
General industrial machinery	28.1	28.1	27.2	.0	.9
Office and computing machines	13.1	13.3	13.7	-.2	-.6
Refrigeration and service machinery ..	15.9	15.9	15.9	.0	.1
Electric and electronic equipment	85.6	85.3	85.4	.4	.2
Electrical industrial apparatus	17.1	17.2	16.0	-.1	1.1
Household appliances	15.3	15.4	16.0	-.1	-.7
Electric lighting and wiring equipment ..	17.5	17.0	16.9	.5	.6
Communication equipment	9.8	9.8	10.1	.0	-.3
Transportation equipment	139.2	138.0	144.4	1.2	5.2
Motor vehicles and equipment	93.0	91.4	92.7	1.6	.3
Aircraft and parts	36.9	37.4	42.0	-.5	5.0
Instruments and related products	23.3	23.4	23.1	-.1	.2
Measuring and controlling devices	12.7	12.8	12.9	-.1	-.2
Nondurable Goods ^f	366.9	368.7	363.4	- 1.8	3.5
Food and kindred products	65.4	67.4	64.0	- 1.9	1.5
Meat products	9.1	9.4	9.6	-.3	-.6
Dairy products	10.9	11.0	10.5	-.1	.4
Preserved fruits and vegetables	12.1	13.6	11.1	- 1.5	1.0
Bakery products	9.2	9.4	9.1	-.2	.0
Beverages	9.6	9.7	9.4	.0	.2
Apparel and other textile products	16.9	16.8	16.4	.1	.4
Paper and allied products	37.5	37.3	37.4	.2	.1
Misc. converted paper products	12.4	12.4	12.2	.0	.2
Paperboard containers and boxes	13.1	13.0	13.1	.0	.0
Printing and publishing	71.7	71.5	71.1	.2	.6
Newspapers	19.4	19.3	19.3	.1	.1
Commercial printing	26.7	26.6	26.4	.2	.3
Chemicals and allied products	63.6	64.3	63.4	-.7	.2
Industrial inorganic chemicals	8.6	9.3	9.3	-.7	-.7
Rubber and misc. plastics products	94.8	94.3	94.2	.5	.6
Tires and inner tubes	17.2	17.2	17.1	.0	.1
Miscellaneous plastics products	56.8	56.4	56.4	.4	.4

See footnotes on page 13.

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
NONMANUFACTURING	3662.8	3635.9	3559.0	26.9	103.8
MINING	20.5	20.5	20.7	.0	-.1
Bituminous coal and lignite mining	8.5	8.6	8.8	-.1	-.2
Oil and gas extraction	6.9	6.9	6.8	.0	.1
CONSTRUCTION	212.1	211.6	198.6	.5	13.6
General building contractors	52.5	52.2	48.5	.3	4.1
Heavy construction contractors	29.9	30.5	28.3	-.6	1.6
Highway and street construction	14.3	14.8	12.7	-.5	1.5
Special trade contractors	129.7	128.9	121.8	.8	7.9
TRANSPORTATION AND PUBLIC UTILITIES	212.7	212.5	210.0	.2	2.7
Railroad transportation	13.3	13.5	14.1	-.1	-.7
Transportation, except railroads	110.6	109.4	106.5	1.1	4.0
Trucking and warehousing	75.8	75.4	74.3	.4	1.5
Communication, electric, gas services ..	88.8	89.6	89.4	-.8	-.6
Communication	47.1	47.6	47.5	-.5	-.4
Electric, gas, and sanitary services ..	41.7	42.0	41.9	-.2	-.2
WHOLESALE TRADE	260.1	258.3	252.4	1.8	7.7
Wholesale trade-durable goods	163.1	162.2	158.9	.9	4.2
Motor vehicles & automotive equipment ..	22.5	22.3	22.0	.2	.4
Electrical goods	19.5	19.4	19.6	.2	-.1
Machinery, equipment, and supplies ...	69.5	69.3	67.7	.3	1.8
Wholesale trade-nondurable goods	97.0	96.1	93.5	.9	3.5
Groceries and related products	30.4	30.2	29.4	.2	1.0
RETAIL TRADE	888.1	885.7	862.3	2.3	25.7
General merchandise stores	121.8	119.0	121.7	2.8	.1
Department stores	105.2	103.1	105.8	2.1	-.6
Food stores	136.8	136.3	132.2	.5	4.6
Automotive dealers & service stations ..	97.2	97.4	94.3	-.2	2.9
Apparel and accessory stores	45.3	44.4	42.7	.9	2.6
Eating and drinking places	309.2	313.9	300.6	- 4.7	8.6
FINANCE, INSURANCE, AND REAL ESTATE	253.1	252.9	245.7	.2	7.4
Banking	64.5	64.6	63.3	-.2	1.2
Credit agencies other than banks	37.8	38.2	37.5	-.4	.3
Insurance carriers	69.9	69.5	68.3	.5	1.6
Life insurance	25.9	25.7	25.7	.2	.2
Fire, marine, and casualty insurance ..	31.0	31.0	30.3	.0	.6
SERVICES	1112.3	1115.2	1070.4	- 2.9	41.9
Hotels and other lodging places	35.6	36.6	34.5	- 1.0	1.1
Personal services	59.2	58.5	56.8	.7	2.4
Laundry, cleaning, & garment services ..	19.7	19.5	19.3	.2	.5
Business services	229.9	229.7	216.5	.2	13.4
Services to buildings	31.9	32.1	29.9	-.1	2.0
Computer and data processing services ..	21.2	21.0	19.2	.2	2.0
Amusement and recreation services	39.1	51.4	38.8	- 12.3	.3
Health services	375.4	374.3	365.0	1.1	10.4
Nursing and personal care facilities ..	83.3	83.4	80.8	-.1	2.5
Hospitals	180.3	180.0	178.4	.2	1.9
Educational services	65.9	59.9	64.2	6.1	1.7
Colleges and universities	36.6	31.7	35.2	4.9	1.4
GOVERNMENT	703.8	679.0	698.9	24.8	4.8
Federal government	94.5	94.5	94.8	.0	-.2
State government	161.6	146.5	158.1	15.2	3.5
State government education ¹	87.8	71.5	84.9	16.3	2.9
State government, except education ...	73.8	74.9	73.2	- 1.1	.6
Local government	447.6	438.0	446.1	9.6	1.6
Local government education	260.9	250.2	262.0	10.7	- 1.1
Local government, except education ...	186.7	187.9	184.1	- 1.1	2.6

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$523.06	\$521.77	\$504.50	43.3	43.3	42.9	\$12.08	\$12.05	\$11.76
Durable Goods ^e	547.12	545.38	524.02	43.7	43.7	43.2	12.52	12.48	12.13
Lumber and wood products	330.65	322.21	301.84	42.5	41.9	40.9	7.78	7.69	7.38
Furniture and fixtures	365.89	382.05	362.30	40.7	41.8	41.5	8.99	9.14	8.73
Stone, clay, and glass products	470.18	470.42	451.76	42.9	43.0	42.3	10.96	10.94	10.68
Glass and glassware, pressed or blown	508.69	523.77	464.13	43.0	44.2	39.5	11.83	11.85	11.75
Primary metal industries	634.11	632.80	601.12	45.1	45.2	44.2	14.06	14.00	13.60
Blast furnace and basic steel products	643.42	648.17	621.09	44.9	45.2	44.3	14.33	14.34	14.02
Iron and steel foundries	669.76	658.08	620.71	46.0	45.7	44.4	14.56	14.40	13.98
Nonferrous rolling and drawing	664.25	660.98	614.45	43.5	43.4	42.7	15.27	15.23	14.39
Fabricated metal products	524.71	517.97	503.43	43.4	43.2	42.7	12.09	11.99	11.79
Cutlery, hand tools, and hardware	498.52	503.74	491.83	41.2	41.7	41.4	12.10	12.08	11.88
Fabricated structural metal products ..	465.72	456.12	465.91	42.3	42.0	43.1	11.01	10.86	10.81
Metal forgings and stampings	646.25	638.03	612.70	44.6	44.4	43.3	14.49	14.37	14.15
Machinery, except electrical	535.04	530.64	510.85	44.0	44.0	43.7	12.16	12.06	11.69
Construction and related machinery ...	432.07	434.36	417.79	40.8	40.9	41.0	10.59	10.62	10.19
Metalworking machinery	522.76	513.90	493.88	45.3	45.0	43.9	11.54	11.42	11.25
Special industry machinery	519.10	536.36	503.09	45.1	46.0	43.9	11.51	11.66	11.46
General industrial machinery	540.94	547.67	528.26	43.0	43.5	43.3	12.58	12.59	12.20
Office and computing machines	453.11	458.81	434.39	41.8	41.9	44.1	10.84	10.95	9.85
Refrigeration and service machinery ..	613.24	605.68	561.89	43.4	43.7	42.6	14.13	13.86	13.19
Electric and electronic equipment	472.92	474.47	466.07	42.0	42.1	41.8	11.26	11.27	11.15
Electrical industrial apparatus	488.19	491.73	477.79	44.1	44.3	43.2	11.07	11.10	11.06
Household appliances	489.23	487.59	475.97	40.6	40.7	40.2	12.05	11.98	11.84
Electric lighting and wiring equipment ..	483.00	472.27	472.63	42.0	41.5	41.9	11.50	11.38	11.28
Communication equipment	458.99	478.18	512.40	39.5	40.8	42.0	11.62	11.72	12.20
Transportation equipment	693.82	698.88	652.50	45.2	45.5	44.6	15.35	15.36	14.63
Motor vehicles and equipment	730.05	737.56	673.79	45.8	46.3	44.8	15.94	15.93	15.04
Aircraft and parts	598.25	599.00	614.59	43.7	43.5	44.6	13.69	13.77	13.78
Instruments and related products	380.37	374.10	369.46	40.9	40.4	40.6	9.30	9.26	9.10
Measuring and controlling devices	370.67	362.21	349.72	39.9	39.2	38.6	9.29	9.24	9.06
Non durable Goods ^f	466.99	469.63	461.07	42.3	42.5	42.3	11.04	11.05	10.90
Food and kindred products	435.14	446.45	432.22	41.8	42.6	41.6	10.41	10.48	10.39
Meat products	360.09	364.56	376.07	41.2	41.1	40.7	8.74	8.87	9.24
Dairy products	451.96	456.03	464.81	42.2	42.9	42.8	10.71	10.63	10.86
Preserved fruits and vegetables	435.35	461.47	414.16	41.7	44.5	39.9	10.44	10.37	10.38
Bakery products	467.60	464.53	461.09	40.0	39.3	40.2	11.69	11.82	11.47
Beverages	448.51	440.54	416.15	41.8	41.6	40.6	10.73	10.59	10.25
Apparel and other textile products	308.39	304.91	295.02	40.9	40.6	39.6	7.54	7.51	7.45
Paper and allied products	501.60	514.59	498.85	44.0	45.1	44.7	11.40	11.41	11.16
Misc. converted paper products	430.84	447.23	431.57	42.7	44.5	42.9	10.09	10.05	10.06
Paperboard containers and boxes	442.30	452.02	445.09	42.9	43.8	44.2	10.31	10.32	10.07
Printing and publishing	449.46	452.63	442.18	39.6	39.6	39.8	11.35	11.43	11.11
Newspapers	381.23	383.02	378.43	34.5	34.6	35.4	11.05	11.07	10.69
Commercial printing	449.49	457.75	438.19	41.2	41.5	41.3	10.91	11.03	10.61
Chemicals and allied products	550.29	555.53	544.84	42.2	42.7	42.4	13.04	13.01	12.85
Industrial inorganic chemicals	598.98	594.00	617.75	44.8	44.0	44.7	13.37	13.50	13.82
Rubber and misc. plastics products	451.97	453.96	453.44	43.5	43.4	43.6	10.39	10.46	10.40
Tires and inner tubes	677.51	684.78	660.61	46.5	46.3	46.1	14.57	14.79	14.33
Miscellaneous plastics products	435.60	436.60	435.02	43.3	43.1	43.2	10.06	10.13	10.07

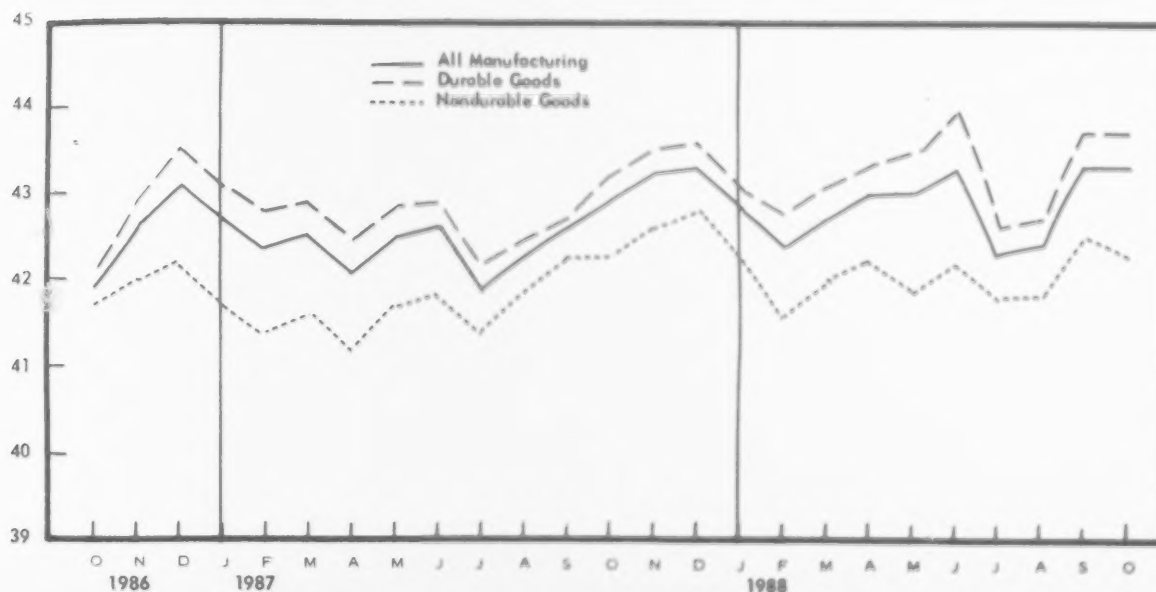
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MINING	\$546.51	\$549.50	\$538.53	43.1	43.2	43.5	\$12.68	\$12.72	\$12.38
Bituminous coal and lignite mining	650.81	645.81	639.66	41.4	40.9	42.0	15.72	15.79	15.23
CONSTRUCTION	622.50	604.49	586.53	40.9	39.9	39.9	15.22	15.15	14.70
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	571.84	579.10	557.74	40.7	41.1	40.8	14.05	14.09	13.67
Communication	549.37	563.29	542.70	40.1	40.7	40.2	13.70	13.84	13.50
Electric, gas, and sanitary services ..	599.68	596.77	576.85	41.5	41.5	41.5	14.45	14.38	13.90
WHOLESALE TRADE	399.45	395.46	385.52	39.2	39.0	39.5	10.19	10.14	9.76
Wholesale trade-durable goods	389.00	387.44	378.63	38.9	38.9	39.4	10.00	9.96	9.61
Wholesale trade-nondurable goods	418.30	408.86	397.79	39.8	39.2	39.7	10.51	10.43	10.02
RETAIL TRADE ^h	167.88	167.61	163.88	28.6	28.7	28.7	5.87	5.84	5.71
General merchandise stores	179.00	180.91	177.89	28.1	28.4	28.6	6.37	6.37	6.22
Department stores	184.88	185.61	182.82	28.4	28.6	28.7	6.51	6.49	6.37
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	263.52	265.37	260.75	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	271.36	272.19	253.83	.....	.....	.....	.....	.....	.....
Insurance carriers	378.49	376.59	353.27	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	340.96	343.35	331.91	33.2	33.4	32.7	10.27	10.28	10.15

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Ohio Metropolitan Statistical Areas and County Populations

Census Counts and Intercensal Estimates

Continuing growth has returned Ohio's population to near-1980 census levels. According to 1987 population estimates developed jointly by the Bureau of the Census and the Ohio Data Users Center, the population in Ohio increased significantly during 1984-1987, following a decline during the 1982-1983 time period.

The most recent 1987 estimate places Ohio's population at 10,784,000. The population had dropped to an estimated low of 10,741,000 in 1983. The 1980 census count was 10,797,604.

According to the 1987 estimates, two counties that had been losing population since 1980 registered gains between 1986-1987. Lorain and Marion Counties now show positive growth rates that, while relatively small, may indicate a significant change of direction from a six year trend of declining populations.

Of the sixteen Metropolitan Statistical Areas in Ohio or which contain Ohio counties, eight have positive growth rates from 1986 to 1987, seven have negative growth rates, and one, Toledo, remains nearly unchanged.

The largest relative growth areas include Hamilton-Middletown, Columbus, and Cincinnati. The largest percentage loss from 1986 to 1987 was in the Steubenville-Weirton area, followed by Huntington-Ashland and Wheeling.



Growth rates between 1986 and 1987

Ohio 0.3%

Counties with the Largest Growth Rates

Clermont	2.6%
Warren	2.4%
Delaware	2.0%
Adams	2.0%
Highland	2.0%

Counties with the Largest Percentage Loss

Harrison	-3.7%
Monroe	-1.9%
Jefferson	-1.2%

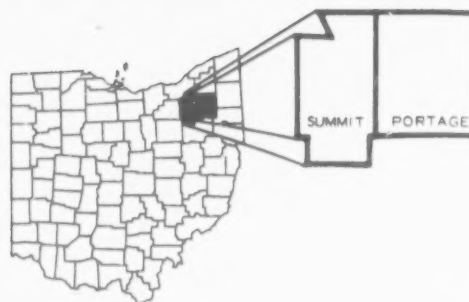
To obtain a copy of this publication, please contact:

Ohio Data Users Center
Ohio Department of Development
P.O. Box 1001
Columbus, Ohio 43266-0101
(614) 466-2115

or contact us at:

Ohio Bureau of Employment Services
Labor Market Information Division
145 S Front Street
Columbus, Ohio 43216
(614) 644-2689

AKRON PRIMARY METROPOLITAN STATISTICAL AREA

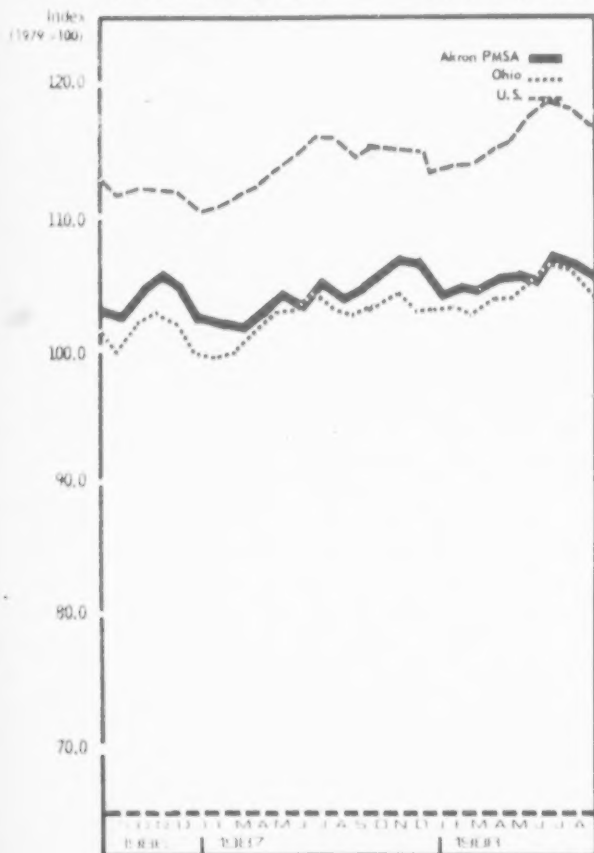


In the Akron metropolitan area, nonfarm payroll employment totaled 275,800 in October 1988, down 100 from September. The decline occurred in the nonmanufacturing sector as seasonal losses in amusement and recreation services outweighed scattered increases. Manufacturing employment was unchanged over the month, at 66,300. Factory production worker average hourly earnings, at \$11.43 per hour, were \$.09 higher than in September. Their average workweek of 42.9 hours was .3 hours shorter.

Nonagricultural wage and salary employment advanced 4,700 between October 1987 and October 1988. A major portion of the growth occurred in services and retail trade. Noteworthy gains were also recorded in construction and wholesale trade. The manufacturing workforce declined 400 over the year. Moderate improvements in nonelectrical machinery and miscellaneous plastics products were negated by reductions in other durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

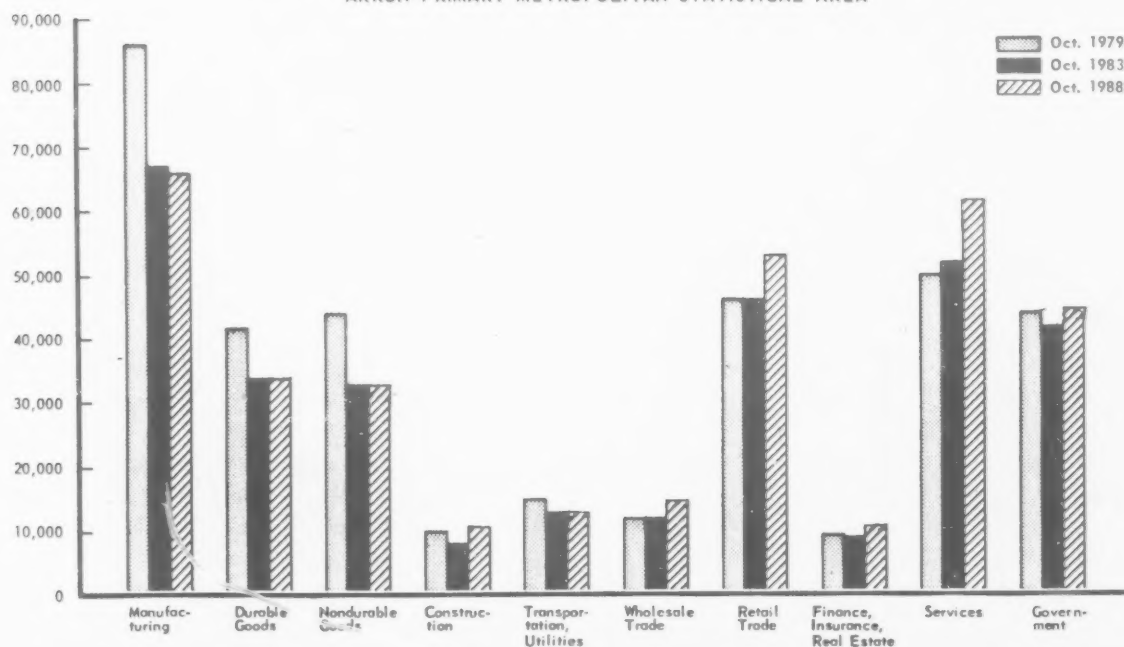


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
Total		Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	\$285.53	42.3	\$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
317.3	299.1	18.2	5.7	1987 September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
320.4	295.7	24.7	7.7	1988 January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
318.6	300.9	17.7	5.6	September	275.9	66.3	36.3	489.89	43.2	11.34
INA	INA	INA	INA	October	275.8	66.3	36.4	490.35	42.9	11.43

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	275.8	275.9	271.0	.1	4.7
MANUFACTURING	66.3	66.3	66.7	.0	.4
Durable Goods ^e	33.6	33.6	34.5	.0	1.0
Fabricated metal products	11.3	11.3	11.9	.0	.5
Machinery, except electrical	10.2	10.3	9.5	.1	.8
Metalworking machinery	3.7	3.6	3.4	.1	.3
Nondurable Goods ^f	32.8	32.7	32.2	.1	.5
Food and kindred products	2.9	2.9	3.1	.0	.1
Chemicals and allied products	2.9	2.9	3.1	.0	.2
Rubber and misc. plastics products	21.2	21.1	20.5	.1	.7
Tires and inner tubes	12.7	12.7	12.7	.0	.0
NONMANUFACTURING^g	209.4	209.6	204.3	.1	5.1
CONSTRUCTION	10.7	10.6	10.0	.1	.7
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.1	13.1	.0	.0
Communication, electric, gas services ..	5.3	5.3	5.3	.1	.0
WHOLESALE TRADE	14.8	14.6	14.1	.2	.7
RETAIL TRADE	53.3	53.2	52.4	.1	.9
General merchandise stores	6.3	6.2	6.5	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	.0	.2
Banking	3.2	3.2	3.1	.0	.1
SERVICES	61.4	62.5	59.1	1.1	2.4
Business services	12.1	12.1	11.6	.0	.5
Amusement and recreation services	3.5	4.6	3.3	1.2	.2
Health services	20.7	20.6	19.7	.1	1.0
GOVERNMENT	44.6	44.1	44.5	.5	.1
State government	16.9	16.5	16.5	.4	.4
State government education ^h	14.0	13.5	13.6	.5	.4
State government, except education ...	2.9	3.0	2.9	.1	.0
Local government	25.3	25.3	25.7	.1	.4
Local government education	14.6	14.4	14.5	.2	.2
Local government, except education ...	10.7	10.8	11.2	.1	.5

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers^a

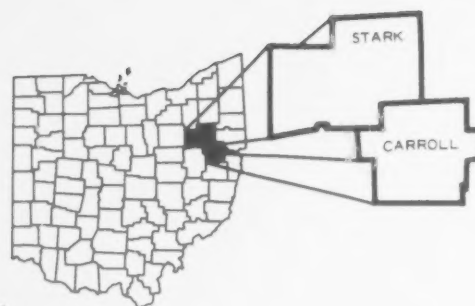
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$490.35	\$489.89	\$487.73	42.9	43.2	43.2	\$11.43	\$11.34	\$11.29
Durable Goods ^e	502.79	499.25	500.55	42.9	43.3	43.3	11.72	11.53	11.56
Fabricated metal products	639.84	629.75	589.90	43.0	44.1	42.5	14.88	14.28	13.88
Machinery, except electrical	466.14	467.62	472.44	45.3	45.4	46.5	10.29	10.30	10.16
Metalworking machinery	483.51	493.10	475.07	45.4	46.3	45.9	10.65	10.65	10.35
Nondurable Goods ^f	472.08	476.44	467.41	42.8	43.0	43.0	11.03	11.08	10.87
Food and kindred products	449.02	464.83	470.41	42.4	43.2	43.8	10.59	10.76	10.74
Chemicals and allied products	503.16	522.41	510.35	42.0	43.9	42.6	11.98	11.90	11.98
Rubber and misc. plastics products	493.48	496.13	490.39	44.1	44.1	44.1	11.19	11.25	11.12
Tires and inner tubes	784.13	788.18	738.02	49.1	49.2	47.4	15.97	16.02	15.57
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	583.16	587.64	572.52	41.3	41.5	41.1	14.12	14.16	13.93
WHOLESALE TRADE	343.31	347.26	334.27	36.6	37.1	37.1	9.38	9.36	9.01
RETAIL TRADE ^h	202.86	199.68	201.83	32.2	32.0	32.5	6.30	6.24	6.21

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,313	1,891	2,947
Active File of Job Seekers	15,316	15,294	17,920
Referrals to Jobs	1,358	1,288	1,563
Placements	471	465	612
Job Openings Received	522	520	748
Job Openings Unfilled	1,094	1,531	1,288
Unemployment Insurance Program			
Initial Claims	2,282	1,720	2,438
Continued Claims	14,339	15,822	20,908
First Payments	939	861	958
Last Payments	293	305	497
Weeks Compensated	11,416	13,373	18,454
Benefits Paid	\$1,682,646	\$1,995,519	\$2,780,952
Average Weekly Payment	\$152.04	\$153.47	\$155.04

CANTON METROPOLITAN STATISTICAL AREA



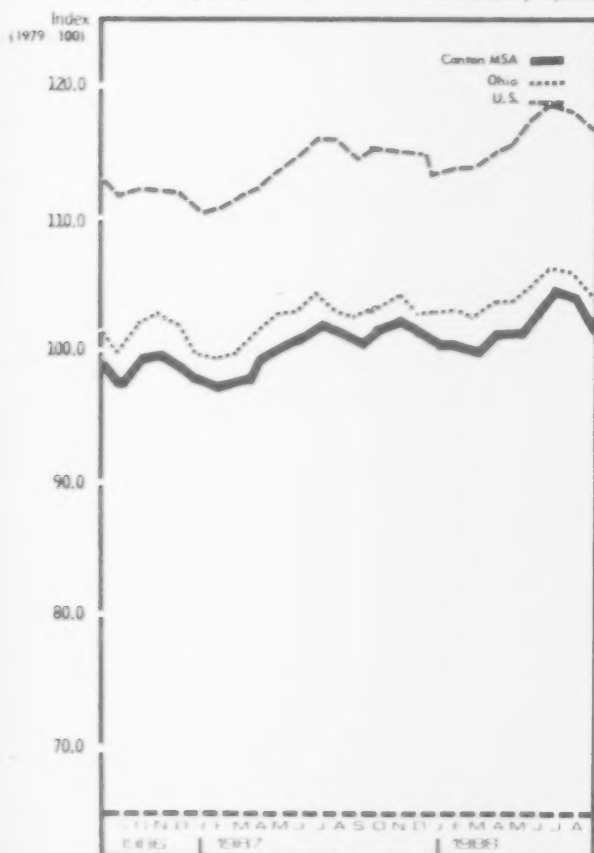
Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

Nonagricultural wage and salary employment in the Canton metropolitan area increased 800 from September, to 162,500 in October 1988. The improvement occurred in the nonmanufacturing sector due to the return of nonteaching personnel in local schools and modest growth in services. The manufacturing employment level of 43,800 was unchanged from September. Factory production workers averaged \$11.50 per hour, up \$.06 from last month. Their average workweek of 43.0 hours was .4 hours longer.

Total nonfarm payroll employment advanced 3,900 between October 1987 and October 1988. Primary growth industries were services, construction, and retail trade. The manufacturing workforce gained 100 jobs over the year, with modest improvement in primary metal industries and scattered increases in nondurable goods. Employment in fabricated metal products declined during the period.

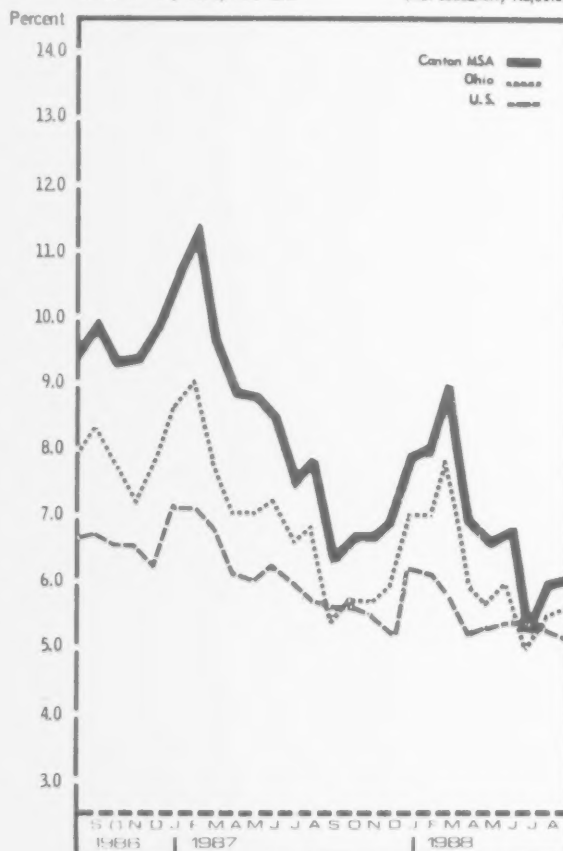
INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

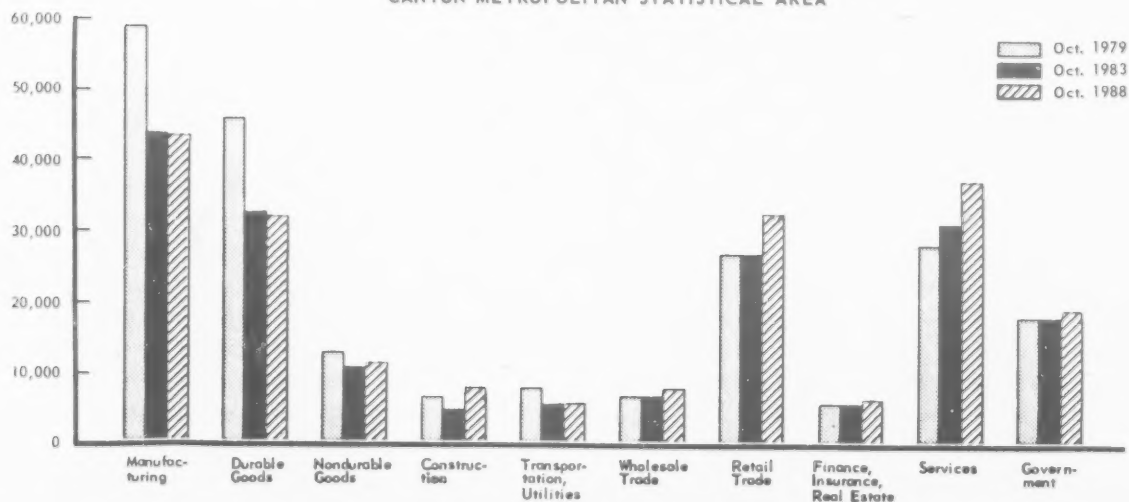


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed			Manufacturing Production Workers							
Total	Rate		Hours and Earnings							
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	\$273.14	39.7	\$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	161.6	43.8	31.2	487.34	42.6	11.44
INA	INA	INA	INA	October	162.5	43.8	31.2	494.50	43.0	11.50

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	162.5	161.6	158.6	.8	3.9
MANUFACTURING	43.8	43.8	43.7	.0	.1
Durable Goods ^e	32.1	32.1	32.3	.1	.2
Primary metal industries	10.8	10.8	10.5	.0	.3
Fabricated metal products	6.2	6.3	6.6	.1	.3
Metal forgings and stampings	2.0	2.1	2.1	.0	.1
Nondurable Goods ^f	11.8	11.7	11.5	.1	.3
Food and kindred products	3.3	3.4	3.3	.1	.0
Rubber and misc. plastics products	3.0	3.0	3.0	.0	.0
NONMANUFACTURING^g	118.6	117.8	114.9	.8	3.7
CONSTRUCTION	8.1	8.2	7.2	.1	.9
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.1	5.8	.1	.4
Communication, electric, gas services ..	2.8	2.8	2.6	.0	.2
WHOLESALE TRADE	8.3	8.2	8.2	.1	.0
Wholesale trade-durable goods	4.6	4.6	4.6	.0	.0
RETAIL TRADE	32.4	32.4	31.7	.0	.7
General merchandise stores	4.2	4.0	4.1	.1	.1
Food stores	5.3	5.3	5.1	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.5	.0	.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	37.1	36.8	35.8	.3	1.3
Health services	15.6	15.5	15.2	.1	.4
GOVERNMENT	19.2	18.7	18.6	.5	.6
State government (includes education) ..	1.7	1.7	1.7	.0	.0
Local government	16.0	15.6	15.5	.4	.5
Local government education	9.3	8.8	9.0	.5	.3
Local government, except education ...	6.7	6.8	6.5	.1	.2

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$494.50	\$487.34	\$476.52	43.0	42.6	41.8	\$11.50	\$11.44	\$11.40
Durable Goods ^e	526.68	516.03	494.16	44.0	43.4	42.2	11.97	11.89	11.71
Primary metal industries	589.68	583.53	567.23	45.5	45.2	43.3	12.96	12.91	13.10
Fabricated metal products	511.62	466.89	444.39	44.8	42.1	41.3	11.42	11.09	10.76
Metal forgings and stampings	566.91	568.10	611.46	41.2	40.9	40.9	13.76	13.89	14.95
Nondurable Goods ^f	396.80	400.39	419.99	40.0	40.2	40.5	9.92	9.96	10.37
Food and kindred products	398.43	398.71	419.93	38.2	37.9	39.1	10.43	10.52	10.74
Rubber and misc. plastics products	407.06	406.96	435.25	41.2	40.9	41.1	9.88	9.95	10.59
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	569.74	588.29	559.24	40.9	41.4	41.0	13.93	14.21	13.64
WHOLESALE TRADE	384.75	370.30	387.22	37.5	36.7	38.8	10.26	10.09	9.98
RETAIL TRADE ^h	160.37	160.11	155.27	29.0	28.9	28.7	5.53	5.54	5.41

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Employment Service Program

New Applicants

Active File of Job Seekers

Referrals to Jobs

Placements

Job Openings Received

Job Openings Unfilled

Unemployment Insurance Program

Initial Claims

Continued Claims

First Payments

Last Payments

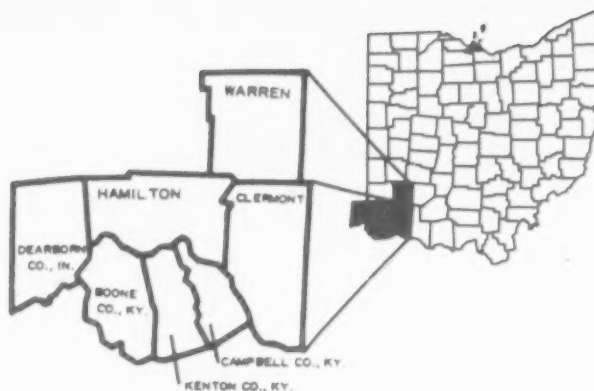
Weeks Compensated

Benefits Paid

Average Weekly Payment

	October 1988	September 1988	October 1987
New Applicants	1,542	1,771	1,099
Active File of Job Seekers	12,259	12,718	11,007
Referrals to Jobs	1,025	864	945
Placements	266	168	153
Job Openings Received	614	450	408
Job Openings Unfilled	2,249	2,300	518
Initial Claims	1,534	1,250	1,787
Continued Claims	8,576	9,746	12,491
First Payments	573	753	627
Last Payments	165	210	243
Weeks Compensated	6,744	8,545	10,248
Benefits Paid	\$934,564	\$1,206,692	\$1,417,484
Average Weekly Payment	\$143.74	\$146.42	\$142.84

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA

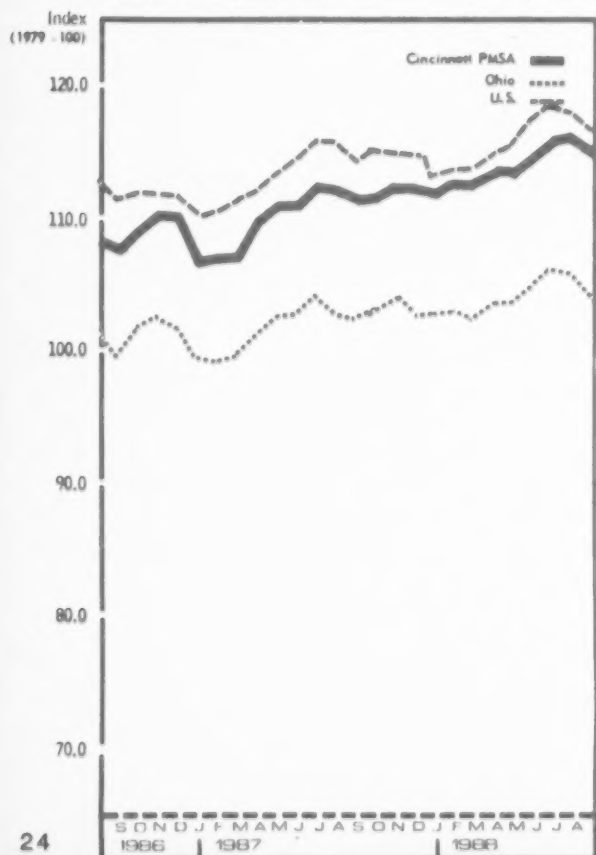


Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 1,800 above the September level, to 712,400 in October 1988. Nonmanufacturing employment increased 2,700. The continued return of nonteaching personnel in state and local schools and colleges and moderate growth in retail trade more than offset seasonal declines in amusement and recreation services. Reductions in chemicals and allied products and scattered losses in durable-goods industries lowered manufacturing employment 900 over the month, to 144,500. Production workers averaged \$11.29 per hour, up \$.04 from September. Their average workweek of 43.1 hours was fractionally longer.

Nonagricultural payroll employment advanced 23,600 between October 1987 and October 1988. Expansion in nonmanufacturing industries accounted for most of the gain. Primary growth sectors were services and retail trade. Noteworthy improvements also occurred in construction, transportation and public utilities, and finance, insurance, and real estate. Manufacturing employment increased 500 over the year. Moderate gains were recorded in food and kindred products and electric and electronic equipment.

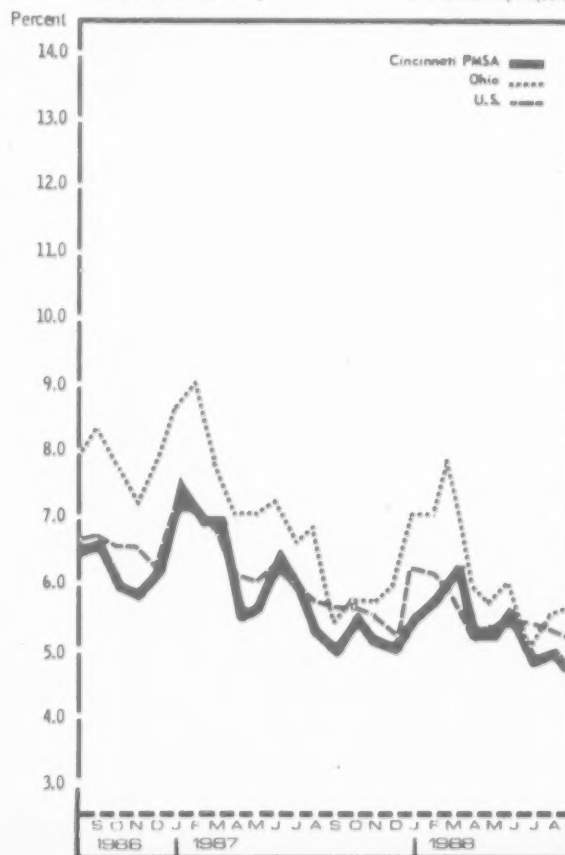
INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

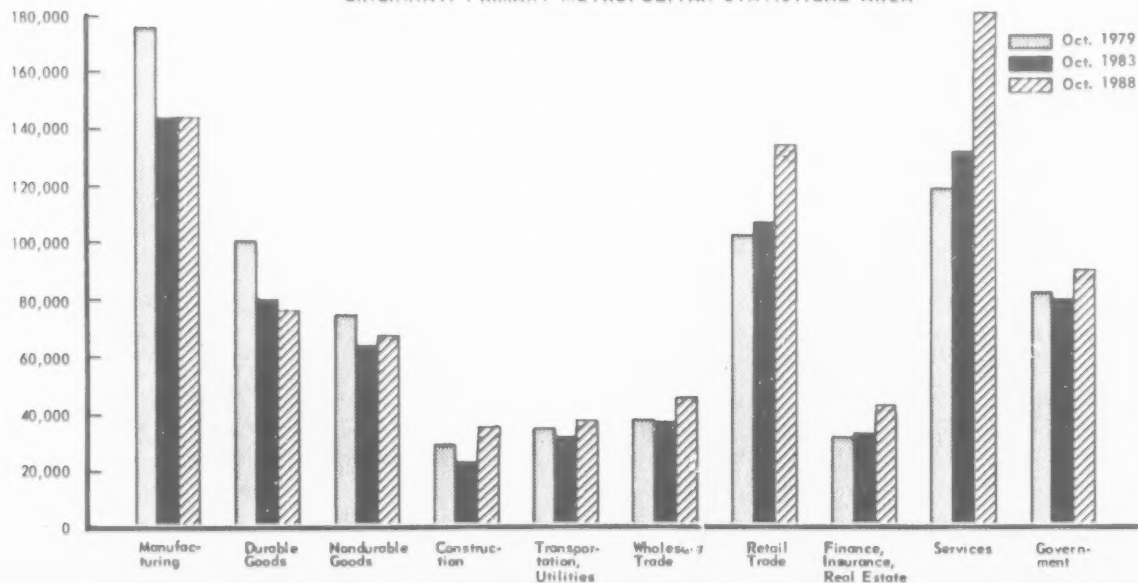


CINCINNATI PHSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate				Hours and Earnings	Average Weekly Hours	Average Weekly Earnings	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	\$260.83	41.6	\$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	August	703.6	144.8	92.3	476.15	42.4	11.23
758.1	722.1	35.9	4.7	September	710.6	145.4	93.0	483.75	43.0	11.25
INA	INA	INA	INA	October	712.4	144.5	92.0	486.60	43.1	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	712.4	710.6	688.8	1.8	23.6
MANUFACTURING	144.5	145.4	144.1	-.9	.5
Durable Goods ^e	76.9	77.3	76.8	-.4	.1
Fabricated metal products	10.0	10.0	10.3	.1	-.2
Fabricated structural metal products ..	3.8	3.7	4.1	.0	-.4
Machinery, except electrical	20.6	20.6	20.6	.0	.0
Metalworking machinery	8.0	8.0	8.2	.1	-.2
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.7	7.8	7.5	-.1	.2
Transportation equipment	24.3	24.3	24.4	.0	-.2
Motor vehicles and equipment	5.0	4.9	3.9	.0	1.1
Nondurable Goods ^f	67.6	68.1	67.3	-.5	.4
Food and kindred products	14.0	14.1	13.2	-.1	.7
Beverages	3.7	3.7	3.4	.0	.3
Apparel and other textile products	3.8	3.8	3.9	.0	-.2
Paper and allied products	6.1	5.9	6.1	.1	.0
Printing and publishing	13.3	13.3	13.3	.1	.0
Commercial printing	5.8	5.8	5.9	.0	.0
Chemicals and allied products	22.3 ^j	22.9	22.5	-.6	-.2
Rubber and misc. plastics products	5.8	5.8	6.0	.0	-.2
NONMANUFACTURING^g	567.9	565.2	544.7	2.7	23.2
CONSTRUCTION	35.5	35.1	32.7	.3	2.8
TRANSPORTATION AND PUBLIC UTILITIES	38.1	37.8	36.2	.3	1.8
Trucking and warehousing	11.2	11.0	10.1	.2	1.1
Communication, electric, gas services ..	15.1	15.1	15.0	-.1	.0
WHOLESALE TRADE	46.3	45.8	44.8	.5	1.5
Wholesale trade-durable goods	27.5	27.4	26.4	.2	1.1
RETAIL TRADE	134.1	132.4	128.7	1.7	5.5
General merchandise stores	18.1	17.8	18.3	.3	-.2
FINANCE, INSURANCE, AND REAL ESTATE	42.6	42.7	40.8	-.1	1.7
Banking	9.3	9.3	8.8	.0	.5
Insurance carriers	14.3	14.3	13.9	.0	.4
SERVICES	180.4	182.8	172.2	-2.4	8.1
Hotels and other lodging places	6.9	7.2	6.5	-.2	.5
Personal services	8.9	8.9	8.5	.1	.4
Business services	45.6	45.3	41.6	.3	4.0
Amusement and recreation services	6.9	10.1	7.2	-3.2	-.3
Health services	55.5	55.4	53.5	.2	2.1
Hospitals	26.3	26.1	25.5	.2	.8
GOVERNMENT	90.4	87.9	88.8	2.4	1.6
Federal government	15.4	15.4	14.9	.0	.5
State government	19.9	18.9	20.0	1.0	-.1
State government education ^h	12.2	11.1	12.3	1.1	-.1
State government, except education ...	7.7	7.8	7.8	-.1	.0
Local government	55.1	53.7	53.9	1.4	1.2
Local government education	31.6	30.3	31.2	1.3	.4
Local government, except education ...	23.4	23.4	22.7	.1	.7

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$486.60	\$483.75	\$467.41	43.1	43.0	43.0	\$11.29	\$11.25	\$10.87
Durable Goods ^e	480.63	476.69	464.40	43.3	43.1	43.2	11.10	11.06	10.75
Fabricated metal products	436.87	435.60	424.77	43.6	43.3	43.3	10.02	10.06	9.81
Fabricated structural metal products	489.14	491.43	429.57	45.8	45.8	43.7	10.68	10.73	9.83
Machinery, except electrical	438.17	440.05	424.42	43.0	43.1	42.4	10.19	10.21	10.01
Metalworking machinery	480.90	491.70	453.06	44.2	44.7	41.3	10.88	11.00	10.97
General industrial machinery	406.99	431.10	456.06	41.7	43.9	46.3	9.76	9.82	9.85
Electric and electronic equipment	360.53	333.45	355.72	40.6	39.0	40.7	8.88	8.55	8.74
Transportation equipment	715.18	715.47	695.19	46.2	46.1	46.1	15.48	15.52	15.08
Motor vehicles and equipment	852.79	863.72	797.02	49.9	50.1	48.1	17.09	17.24	16.57
Nondurable Goods ^f	492.78	491.92	469.94	43.0	43.0	42.8	11.46	11.44	10.98
Food and kindred products	555.26	516.84	510.51	45.7	43.8	44.2	12.15	11.80	11.55
Beverages	509.61	509.21	520.00	40.9	40.9	41.5	12.46	12.45	12.53
Apparel and other textile products	235.30	226.94	226.16	38.7	38.4	40.1	6.08	5.91	5.64
Paper and allied products	451.44	447.62	434.61	44.0	44.1	43.9	10.26	10.15	9.90
Printing and publishing	451.09	477.25	458.28	39.5	41.5	40.7	11.42	11.50	11.26
Commercial printing	489.18	527.59	468.86	42.5	45.6	41.9	11.51	11.57	11.19
Chemicals and allied products	574.95	578.35	536.78	43.1	43.0	42.2	13.34	13.45	12.72
Rubber and misc. plastics products	445.44	434.93	444.15	46.4	45.4	47.0	9.60	9.58	9.45
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	576.69	574.87	551.86	40.9	40.8	40.4	14.10	14.09	13.66
WHOLESALE TRADE	419.84	416.56	389.09	41.0	41.0	40.7	10.24	10.16	9.56
RETAIL TRADE ^h	168.78	168.78	165.79	29.1	29.2	29.5	5.80	5.78	5.62
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	266.98	252.00	260.78	.....	.....	.....	.....	.....	.....

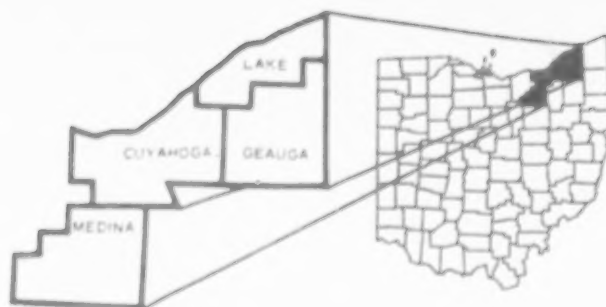
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	3,402	2,610	4,280
Active File of Job Seekers	20,459	20,901	21,333
Referrals to Jobs	2,389	1,917	2,833
Placements	760	357	1,147
Job Openings Received	1,394	1,859	1,960
Job Openings Unfilled	2,990	3,250	3,512
Unemployment Insurance Program			
Initial Claims	3,279	3,231	4,772
Continued Claims	23,768	27,417	39,438
First Payments	1,379	1,555	1,593
Last Payments	416	546	549
Weeks Compensated	18,163	22,239	35,570
Benefits Paid	\$2,704,086	\$3,354,924	\$5,748,297
Average Weekly Payment	\$151.49	\$153.37	\$164.63

^aOhio data only

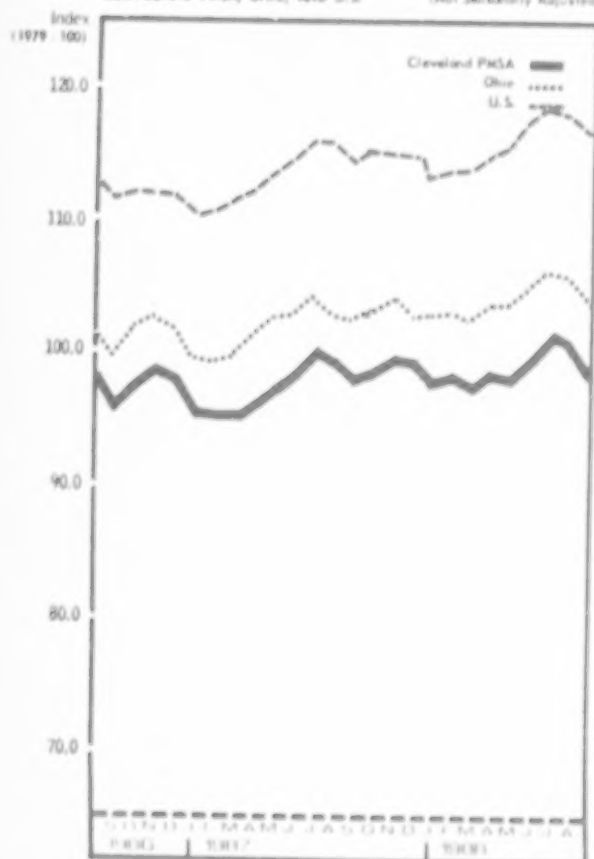
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



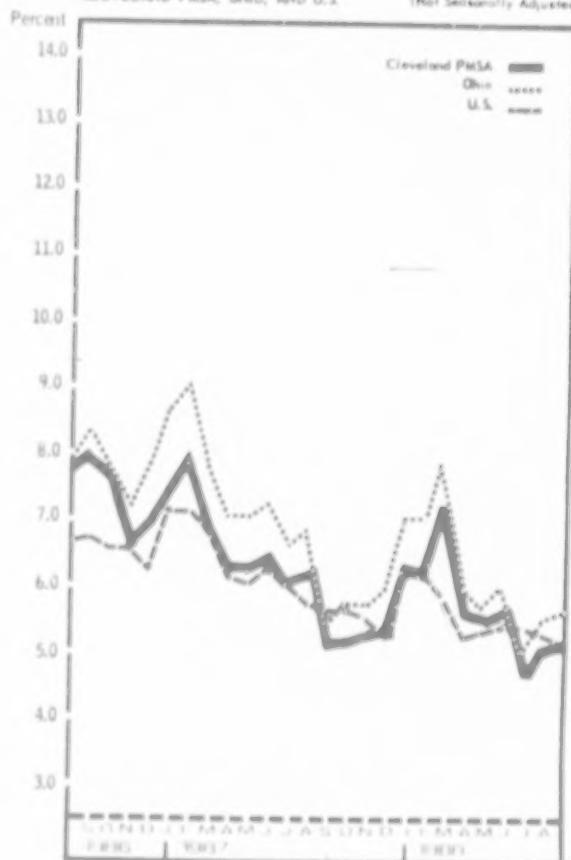
In the Cleveland metropolitan area, nonagricultural payroll employment increased 5,900 from September, to 924,800 in October 1988. The return of nonteaching personnel in state and local schools and colleges and seasonal growth in retail trade and services advanced nonmanufacturing employment 5,000 over the month. The manufacturing workforce rose 900, to 205,200, with modest improvements in transportation equipment, fabricated metal products, and nonelectrical machinery. Factory production worker average hourly earnings increased slightly from September, to \$11.93 per hour. Their average workweek of 43.4 hours was .2 hours longer.

Total nonfarm wage and salary employment advanced 20,300 between October 1987 and October 1988. Marked expansion occurred in services (+8,400), retail trade (+5,600), and finance, insurance, and real estate (+2,400). Moderate growth in nonelectrical machinery, transportation equipment, and chemicals and allied products contributed to the increase of 2,800 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

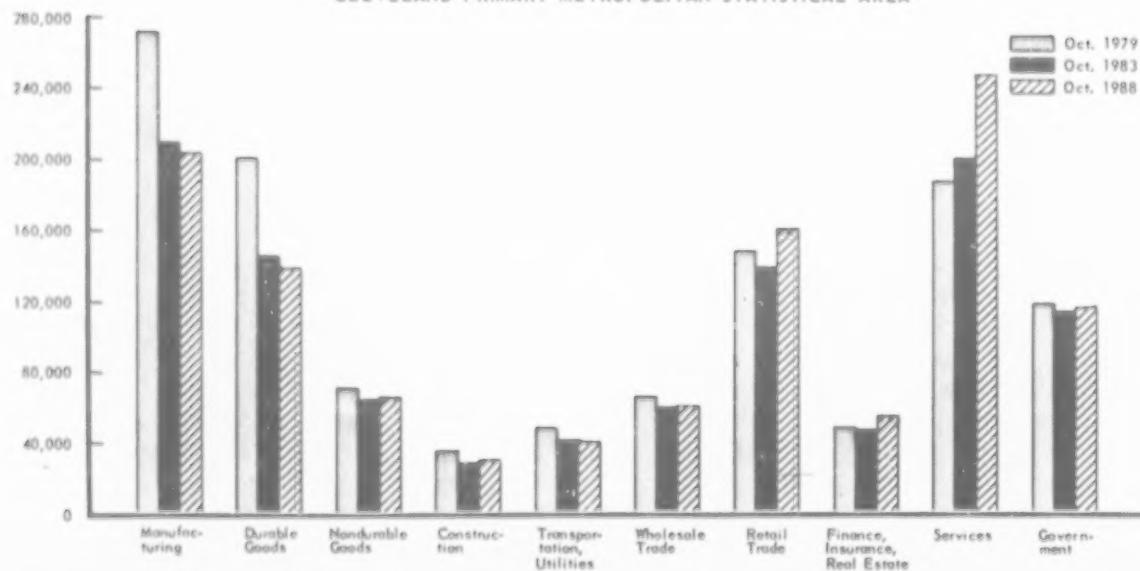


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
Total					Hours and Earnings					
Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	\$292.75	42.8	\$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
943.7	895.4	48.3	5.1	August	914.8	202.4	129.7	503.43	42.7	11.79
921.8	874.1	47.7	5.2	September	918.9	204.3	131.6	514.51	43.2	11.91
INA	INA	INA	INA	October	924.8	205.2	132.5	517.76	43.4	11.93

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	924.8	918.9	904.5	5.9	20.3
MANUFACTURING	205.2	204.3	202.4	.9	2.8
Durable Goods ^e	139.4	138.6	137.1	.8	2.3
Primary metal industries	21.1	21.1	21.0	.0	.0
Iron and steel foundries	5.0	5.1	5.1	.1	.1
Fabricated metal products	33.1	32.9	32.8	.2	.2
Fabricated structural metal products ..	4.3	4.3	4.2	.0	.1
Screw machine products, bolts, etc. ..	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	11.6	11.3	11.4	.2	.2
Machinery, except electrical	29.9	29.7	29.1	.2	.8
Construction and related machinery ...	2.6	2.6	2.6	.0	.1
Metalworking machinery	9.8	9.7	9.6	.0	.2
Special industry machinery	2.7	2.7	2.8	.0	.0
General industrial machinery	3.2	3.1	3.0	.1	.2
Electric and electronic equipment	18.2	18.2	17.8	.0	.3
Electrical industrial apparatus	6.4	6.5	6.1	.1	.3
Transportation equipment	19.6	19.2	19.1	.4	.5
Motor vehicles and equipment	12.6	12.2	12.0	.4	.6
Instruments and related products	6.3	6.3	6.4	.0	.1
Measuring and controlling devices	4.1	4.1	4.2	.0	.2
Nondurable Goods ^f	65.8	65.7	65.2	.1	.6
Food and kindred products	7.0	6.9	7.1	.1	.0
Apparel and other textile products	4.0	4.0	3.9	.0	.1
Paper and allied products	5.7	5.7	5.7	.0	.0
Printing and publishing	16.1	16.1	16.3	.0	.2
Chemicals and allied products	15.3	15.4	14.8	.0	.5
Rubber and misc. plastics products	12.6	12.6	12.4	.0	.2
NONMANUFACTURING^g	719.6	714.6	702.2	5.0	17.4
CONSTRUCTION	31.9	32.0	31.4	.2	.4
TRANSPORTATION AND PUBLIC UTILITIES	41.6	41.4	41.5	.2	.1
Trucking and warehousing	12.6	12.4	12.1	.1	.5
Communication, electric, gas services ..	17.5	17.6	17.7	.1	.2
WHOLESALE TRADE	61.5	61.4	60.7	.1	.8
Wholesale trade-durable goods	42.1	42.0	41.9	.1	.3
RETAIL TRADE	162.2	161.1	156.6	1.1	5.6
General merchandise stores	21.3	20.8	21.1	.5	.2
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.3	55.0	.1	2.4
Banking	13.5	13.6	13.4	.1	.1
Credit agencies other than banks	8.7	8.8	8.7	.1	.0
Insurance carriers	14.6	14.4	13.8	.2	.9
SERVICES	247.2	246.1	238.8	1.1	8.4
Business services	57.5	57.4	54.5	.1	3.0
Amusement and recreation services	8.0	9.5	8.0	1.5	.0
Health services	77.1	76.8	75.8	.3	1.3
Hospitals	42.6	42.5	43.0	.1	.3
GOVERNMENT	116.7	114.2	117.0	2.5	.3
Federal government	20.5	20.5	20.2	.1	.3
State government	8.2	7.7	8.2	.5	.0
State government education ^h	3.2	2.6	3.1	.6	.1
State government, except education ...	5.0	5.2	5.0	.1	.0
Local government	88.0	86.0	88.7	2.0	.7
Local government education	43.9	42.1	45.2	1.8	1.3
Local government, except education ...	44.1	43.9	43.5	.2	.6

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$517.76	\$514.51	\$501.25	43.4	43.2	43.3	\$11.93	\$11.91	\$11.50
Durable Goods ^e	556.70	555.89	538.36	44.5	44.4	44.2	12.51	12.52	12.18
Primary metal industries	592.28	587.06	592.39	46.2	45.9	46.1	12.82	12.79	12.85
Iron and steel foundries	917.16	886.35	816.22	50.7	49.6	47.9	18.09	17.87	17.04
Fabricated metal products	560.54	548.88	536.99	44.7	44.3	43.8	12.54	12.39	12.26
Fabricated structural metal products ..	417.74	414.39	384.69	41.9	41.9	39.7	9.97	9.89	9.69
Screw machine products, bolts, etc. ..	548.40	556.06	508.08	45.7	46.3	46.4	12.00	12.01	10.95
Metal forgings and stampings	720.27	698.63	681.39	47.7	46.7	45.7	15.10	14.96	14.91
Machinery, except electrical	530.27	514.72	497.80	44.3	43.4	43.4	11.97	11.86	11.47
Construction and related machinery ...	392.84	404.61	423.57	42.7	43.6	46.7	9.20	9.28	9.07
Metalworking machinery	477.97	462.04	441.98	42.6	41.7	41.5	11.22	11.08	10.65
Special industry machinery	479.94	465.20	504.25	42.1	40.7	40.6	11.40	11.43	12.42
General industrial machinery	525.92	527.57	504.19	46.5	46.4	44.5	11.31	11.37	11.33
Electric and electronic equipment	449.45	458.64	455.61	41.5	42.0	42.7	10.83	10.92	10.67
Electrical industrial apparatus	523.71	528.12	516.65	44.8	45.1	44.5	11.69	11.71	11.61
Transportation equipment	744.87	773.22	723.93	46.7	47.7	47.1	15.95	16.21	15.37
Motor vehicles and equipment	828.24	869.26	789.18	47.6	49.0	47.8	17.40	17.74	16.51
Instruments and related products	404.84	408.62	402.69	41.1	41.4	41.6	9.85	9.87	9.68
Measuring and controlling devices	446.05	443.52	404.81	42.4	42.2	40.4	10.52	10.51	10.02
Non-durable Goods ^f	424.32	417.15	417.96	40.8	40.5	41.3	10.40	10.30	10.12
Food and kindred products	422.42	402.19	367.84	42.2	40.3	41.8	10.01	9.98	8.80
Apparel and other textile products	331.69	327.92	323.59	39.3	39.7	38.8	8.44	8.26	8.34
Paper and allied products	472.37	490.35	470.68	41.4	42.9	42.1	11.41	11.43	11.18
Printing and publishing	406.64	394.93	432.52	36.9	36.5	39.9	11.02	10.82	10.84
Chemicals and allied products	500.65	502.47	509.22	42.5	42.8	42.9	11.78	11.74	11.87
Rubber and misc. plastics products	386.96	378.59	375.16	42.9	42.3	42.2	9.02	8.95	8.89
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	600.06	608.81	585.40	41.1	41.5	41.4	14.60	14.67	14.14
WHOLESALE TRADE	428.76	427.19	405.27	39.3	39.3	39.5	10.91	10.87	10.26
RETAIL TRADE ^h	187.71	188.76	185.45	28.1	28.3	28.4	6.68	6.67	6.53
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	300.02	306.30	296.79	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	345.03	347.07	343.31	31.8	31.9	31.7	10.85	10.88	10.83

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Employment Service Program

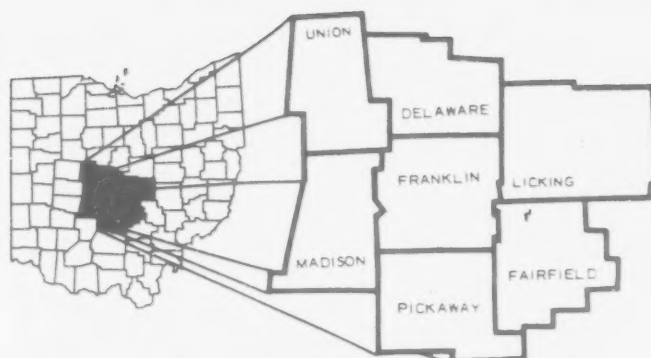
New Applicants	4,447	3,953	5,964
Active File of Job Seekers	53,102	54,399	59,045
Referrals to Jobs	2,021	2,088	2,634
Placements	403	318	425
Job Openings Received	1,231	1,123	1,391
Job Openings Unfilled	4,160	4,293	2,624

Unemployment Insurance Program

Initial Claims	5,544	4,610	6,325
Continued Claims	38,295	42,280	51,324
First Payments	2,616	2,384	2,516
Last Payments	326	858	994
Weeks Compensated	31,265	35,726	44,791
Benefits Paid	\$4,740,768	\$5,340,392	\$6,460,162
Average Weekly Payment	\$154.58	\$152.54	\$147.11

	October 1988	September 1988	October 1987
Employment Service Program			
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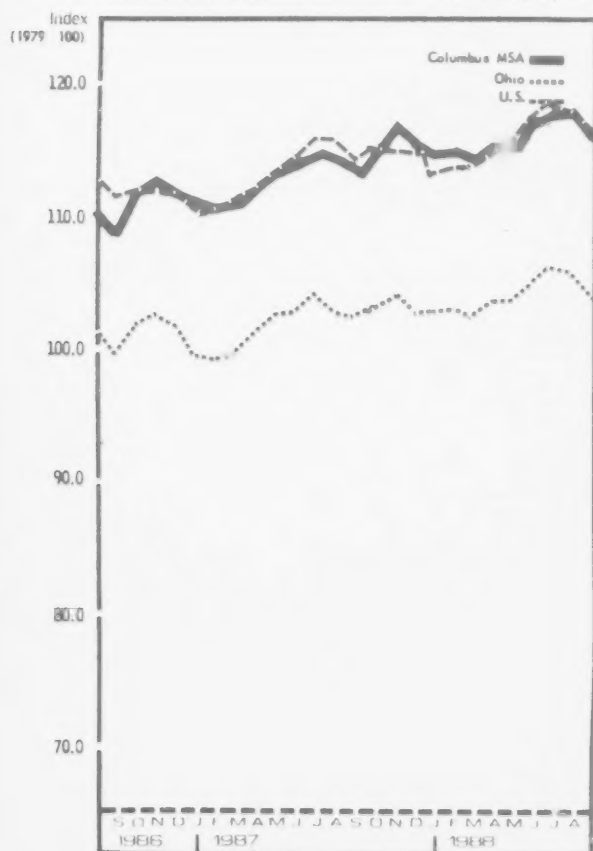
COLUMBUS METROPOLITAN STATISTICAL AREA



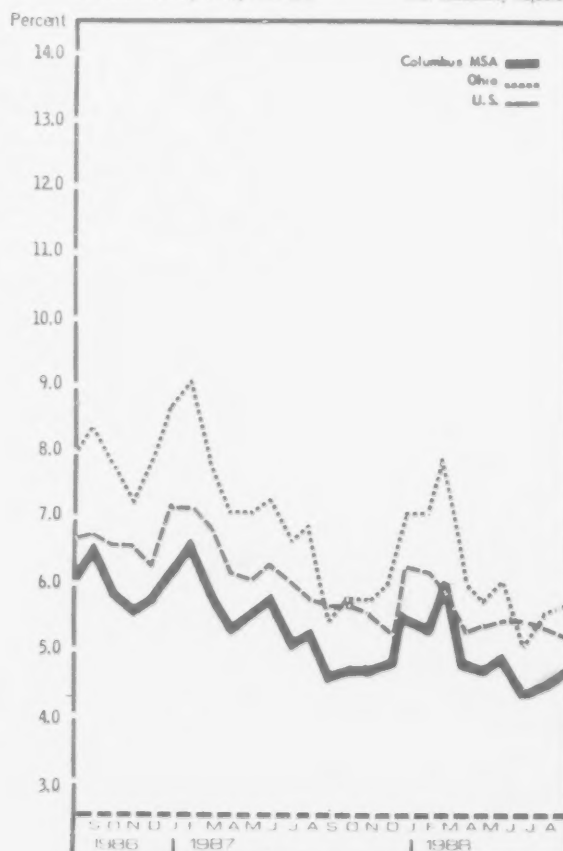
Nonfarm wage and salary employment in the Columbus metropolitan area rose 8,500 above the September level, to 695,200 in October 1988. The return of nonteaching personnel in state and local schools and colleges and more business in retail trade increased nonmanufacturing employment 8,700. Manufacturing employment declined 200 over the month, to 104,000. Reductions in transportation equipment outweighed modest gains in stone, clay, and glass products, fabricated metal products, and rubber and miscellaneous plastics products. Factory production worker average hourly earnings increased slightly from last month, to \$11.65 per hour. Their average workweek of 41.7 hours was .3 hours longer.

Nonagricultural payroll employment advanced 25,000 between October 1987 and October 1988. Significant expansion occurred in services, retail trade, state and local government, and construction. Manufacturing employment increased 1,100 over the year. Modest improvements were recorded in fabricated metal products and rubber and miscellaneous plastics products, while employment in stone, clay, and glass products declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

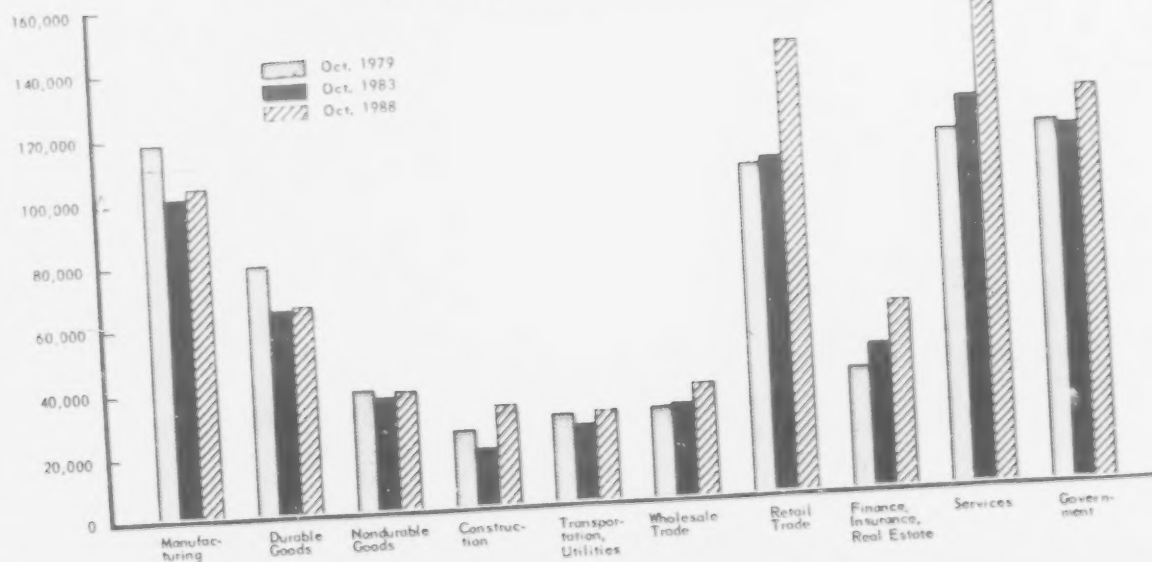


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
		Total	Rate				Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
INA	INA	INA	INA	1983	548.5	98.7	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
633.5	584.3	49.2	7.8	1985	603.6	106.1	70.8	442.95	40.9	10.83
649.4	605.6	43.8	6.7	1986	630.7	105.8	70.4	461.14	41.1	11.22
676.2	634.9	41.3	6.1	1987	657.7	103.1	68.2	473.52	41.5	11.41
694.4	656.9	37.5	5.4							
				1987						
				September	662.8	102.8	67.9	477.88	41.7	11.46
686.6	655.0	31.6	4.6	October	670.3	102.9	67.9	483.91	42.3	11.44
699.9	666.7	33.1	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
707.8	674.3	33.5	4.7	December	676.4	102.3	67.3	475.57	41.9	11.35
704.2	669.8	34.5	4.9							
				1988						
				January	662.3	102.1	67.0	468.65	41.4	11.32
701.9	662.2	39.8	5.7	February	663.0	101.4	66.3	477.47	41.7	11.45
703.1	665.3	37.8	5.4	March	667.3	101.6	66.4	474.54	41.3	11.49
704.7	661.7	43.0	6.1	April	673.8	102.1	66.8	482.47	41.7	11.57
703.0	668.9	34.1	4.8	May	680.8	102.3	66.8	480.24	41.4	11.60
701.6	668.7	32.9	4.7	June	685.0	103.2	67.5	480.16	41.5	11.57
712.1	677.2	34.9	4.9	July	678.4	102.9	67.0	475.45	41.2	11.54
713.2	682.7	30.4	4.3	August	680.0	103.2	67.3	471.65	40.8	11.56
714.3	682.1	32.2	4.5	September	686.7	104.2	67.9	481.48	41.4	11.63
702.5	669.8	32.7	4.7	October	695.2	104.0	67.8	485.81	41.7	11.65
INA	INA	INA	INA							

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Changed (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	695.2	686.7	670.3	8.5	25.0
MANUFACTURING	104.0	104.2	102.9	.2	1.1
Durable Goods ^e	65.6	65.9	65.1	.3	.4
Stone, clay, and glass products	10.0	9.9	10.3	.1	.3
Glass and glassware, pressed or blown	3.7	3.6	3.9	.2	.1
Fabricated metal products	9.8	9.7	9.4	.1	.4
Fabricated structural metal products	3.0	2.9	3.0	.1	.0
Machinery, except electrical	9.2	9.2	9.2	.0	.0
Electric and electronic equipment	10.9	11.0	10.9	.1	.0
Transportation equipment	13.3	13.8	13.3	.4	.0
Instruments and related products	4.1	4.1	4.0	.0	.2
Nondurable Goods ^f	38.5	38.4	37.8	.1	.7
Food and kindred products	10.7	10.7	10.5	.0	.2
Printing and publishing	10.5	10.5	10.3	.0	.2
Chemicals and allied products	6.7	6.8	6.8	.0	.0
Rubber and misc. plastics products	5.8	5.7	5.4	.1	.4
NONMANUFACTURING^g	591.2	582.5	567.3	8.7	23.9
CONSTRUCTION	32.5	32.3	29.8	.2	2.7
TRANSPORTATION AND PUBLIC UTILITIES	29.2	29.2	28.5	.0	.7
Trucking and warehousing	12.4	12.3	11.9	.1	.5
Communication, electric, gas services ..	11.6	11.8	11.7	.2	.1
WHOLESALE TRADE	36.3	35.9	34.6	.4	1.6
Wholesale trade-durable goods	23.3	23.2	22.4	.1	.9
RETAIL TRADE	142.0	140.9	136.3	1.1	5.8
General merchandise stores	22.9	22.7	23.3	.3	.4
FINANCE, INSURANCE, AND REAL ESTATE	59.7	59.9	57.9	.2	1.8
Banking	12.1	12.1	11.8	.0	.4
Insurance carriers	23.6	23.5	22.9	.1	.7
SERVICES	166.9	166.2	158.4	.6	8.5
Business services	39.6	38.6	36.3	1.0	3.2
Health services	41.8	41.6	40.2	.2	1.5
Hospitals	18.4	18.4	17.8	.0	.7
GOVERNMENT	123.6	117.1	120.8	6.5	2.8
Federal government	14.7	14.7	15.5	.0	.8
State government	55.2	49.7	53.7	5.5	1.5
State government education ^h	24.0	18.2	23.3	5.8	.7
State government, except education ..	31.2	31.4	30.4	.3	.8
Local government	53.7	52.7	51.6	1.0	2.1
Local government education	32.9	32.1	31.1	.8	1.8
Local government, except education ..	20.8	20.6	20.5	.2	.3

Hours & Earnings of Production or Nonsupervisory Workers^a

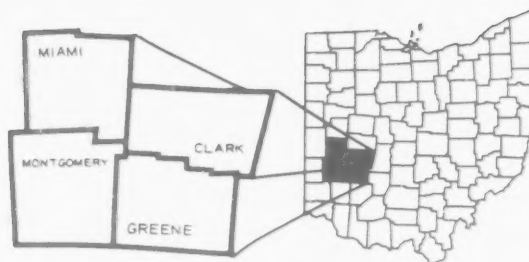
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$485.81	\$481.48	\$483.91	41.7	41.4	42.3	\$11.65	\$11.63	\$11.44
Durable Goods ^e	493.38	491.30	499.16	41.6	41.6	42.7	11.86	11.81	11.69
Stone, clay, and glass products	473.75	482.93	477.76	40.7	41.1	41.4	11.64	11.75	11.54
Glass and glassware, pressed or blown	445.91	464.78	432.33	40.5	42.1	39.7	11.01	11.04	10.89
Fabricated metal products	518.73	510.88	522.37	41.3	41.2	42.4	12.56	12.40	12.32
Fabricated structural metal products	480.22	455.10	466.13	42.8	42.1	43.2	11.22	10.81	10.79
Machinery, except electrical	457.97	467.67	437.78	41.9	42.4	41.3	10.93	11.03	10.60
Electric and electronic equipment	452.08	451.67	464.71	40.4	40.4	40.8	11.19	11.18	11.39
Transportation equipment	612.05	586.28	655.67	43.5	42.3	46.8	14.07	13.86	14.01
Instruments and related products	410.12	408.56	423.23	38.8	38.8	40.5	10.57	10.53	10.45
Nondurable Goods ^f	470.54	462.07	454.43	41.9	41.0	41.5	11.23	11.27	10.95
Food and kindred products	444.29	443.69	438.00	41.6	41.7	40.0	10.68	10.64	10.95
Printing and publishing	563.36	559.60	538.14	40.5	40.0	40.1	13.91	13.99	13.42
Chemicals and allied products	559.20	547.55	543.99	41.7	41.2	42.4	13.41	13.29	12.83
Rubber and misc. plastics products	383.23	355.97	363.62	44.1	41.2	43.6	8.69	8.64	8.34
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	582.01	594.46	569.33	40.9	41.6	40.9	14.23	14.29	13.92
WHOLESALE TRADE	355.88	357.21	356.57	37.5	37.8	38.3	9.49	9.45	9.31
RETAIL TRADE ^h	183.90	185.71	176.79	28.6	29.2	28.7	6.43	6.36	6.16
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	266.15	267.75	261.84	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	350.55	355.34	338.18	34.1	34.6	34.9	10.28	10.27	9.69

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	4,478	4,013	5,991
Active File of Job Seekers	27,265	27,385	32,097
Referrals to Jobs	2,549	2,202	3,977
Placements	813	665	1,765
Job Openings Received	1,271	1,270	2,576
Job Openings Unfilled	2,191	2,612	3,147
Unemployment Insurance Program			
Initial Claims	4,160	3,108	4,310
Continued Claims	26,011	25,812	34,101
First Payments	1,912	1,716	1,877
Last Payments	449	478	564
Weeks Compensated	19,613	21,671	29,318
Benefits Paid	\$3,052,003	\$3,330,440	\$4,593,548
Average Weekly Payment	\$158.97	\$157.16	\$160.32

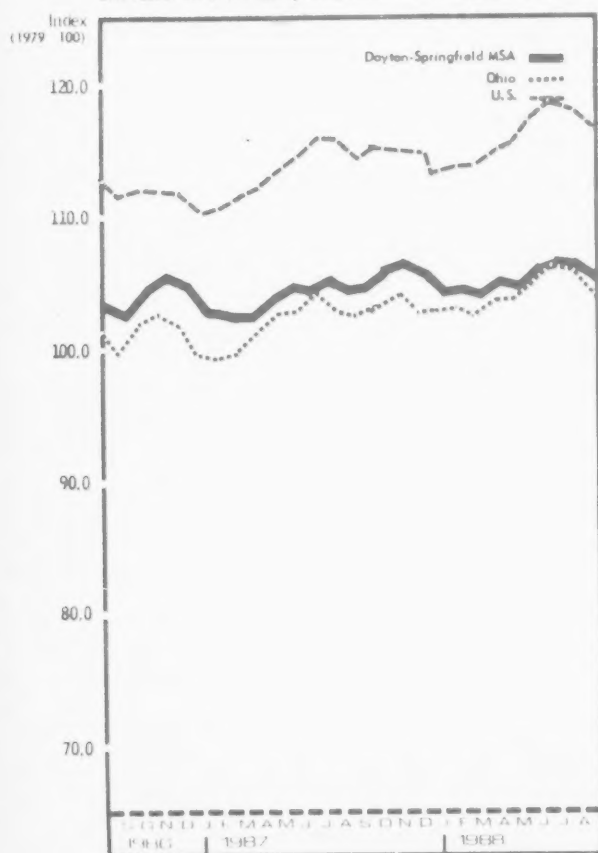
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



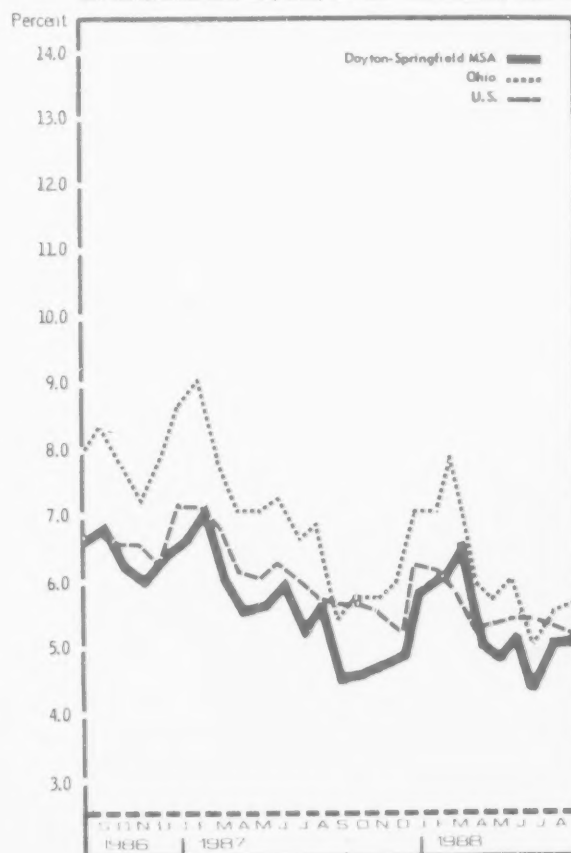
Nonagricultural payroll employment in the Dayton-Springfield metropolitan area totaled 445,500 in October 1988, up 1,700 from the September level. The improvement was concentrated in the nonmanufacturing sector as nonteaching personnel in state and local schools and colleges returned to work. Reductions in transportation equipment and scattered losses in nondurable-goods industries lowered manufacturing employment 500 over the month, to 103,500. Factory production worker average hourly earnings, at \$12.90, increased \$.23 from September. Their average workweek of 44.1 hours was .5 hours longer.

Total nonfarm wage and salary employment advanced 11,300 between October 1987 and October 1988. Primary growth industries were services (+4,500), retail trade (+3,100), and construction (+1,900). The manufacturing workforce declined 100 over the year. Reductions in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products negated growth in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

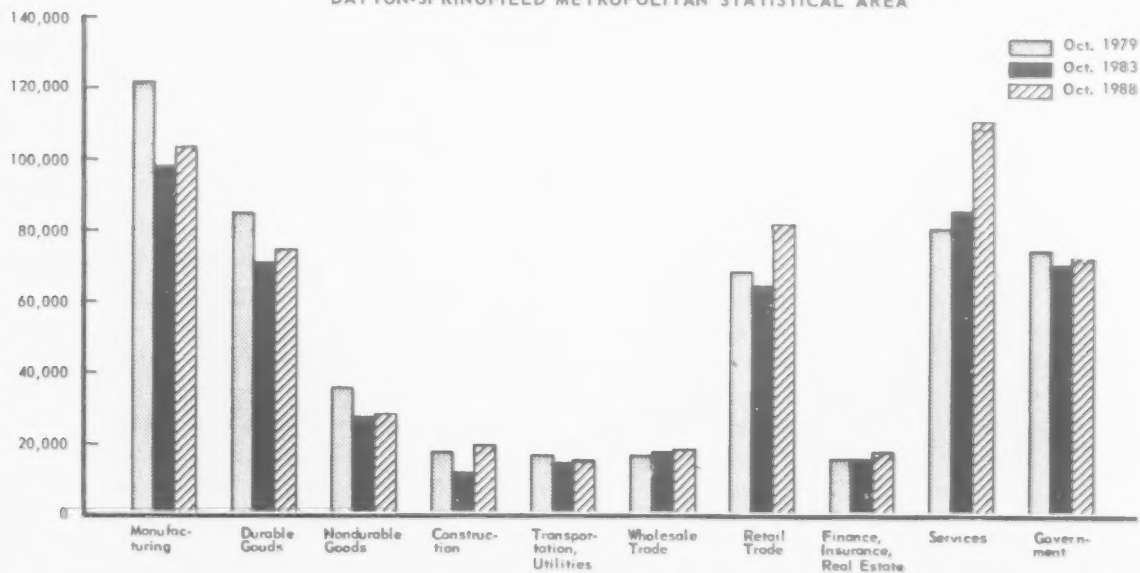


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total				Hours and Earnings						
Rate				Average Weekly Earnings						
				Average Weekly Hours						
				Average Hourly Earnings						
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
1987										
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
1988										
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	39.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	433.7	103.4	66.0	525.34	42.4	12.39
468.2	444.5	23.8	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
464.1	440.2	23.9	5.1	September	443.8	104.0	66.9	552.41	43.6	12.67
INA	INA	INA	INA	October	445.5	103.5	66.4	568.89	44.1	12.90

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	445.5	443.8	434.2	1.7	11.3
MANUFACTURING	103.5	104.0	103.6	-.5	-.1
Durable Goods ^e	74.8	75.0	74.5	-.2	.3
Fabricated metal products	8.2	8.4	8.3	-.1	-.1
Machinery, except electrical	30.9	30.8	30.2	.1	.7
Metalworking machinery	6.5	6.5	6.5	.0	.0
General industrial machinery	2.9	2.9	2.7	.0	.2
Electric and electronic equipment	5.5	5.6	5.9	-.1	-.3
Electrical industrial apparatus	3.3	3.4	3.4	.0	-.1
Transportation equipment	20.2	20.4	20.7	-.3	-.5
Nondurable Goods ^f	28.7	29.0	29.1	-.3	-.4
Food and kindred products	2.7	2.9	2.7	-.1	.0
Paper and allied products	6.0	6.1	6.1	-.1	-.1
Printing and publishing	8.6	8.7	8.5	-.1	.1
Rubber and misc. plastics products	7.8	7.8	8.0	-.1	-.3
NONMANUFACTURING^g	342.0	339.8	330.7	2.2	11.4
CONSTRUCTION	20.0	20.0	18.1	.0	1.9
TRANSPORTATION AND PUBLIC UTILITIES	15.9	15.9	15.6	.0	.3
Communication, electric, gas services	5.1	5.3	5.4	-.1	-.3
WHOLESALE TRADE	19.4	19.3	18.8	.1	.6
Wholesale trade-durable goods	12.8	12.7	12.5	.1	.3
RETAIL TRADE	82.6	82.3	79.5	.3	3.1
General merchandise stores	12.3	12.2	12.4	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	18.3	18.3	17.9	.0	.4
Banking	4.2	4.2	4.3	.0	-.1
Credit agencies other than banks	4.7	4.8	4.7	-.1	.0
Insurance carriers	2.7	2.7	2.8	.0	-.1
SERVICES	111.5	111.2	107.0	.3	4.5
Business services	28.2	28.1	26.5	.1	1.6
Health services	37.1	36.9	36.3	.1	.8
Hospitals	18.8	18.9	18.8	-.1	.0
Educational services	8.8	8.3	8.3	.5	.5
GOVERNMENT	73.7	72.3	73.3	1.4	.4
Federal government	27.7	27.8	28.6	-.1	-.8
State government	7.1	6.5	6.4	.5	.7
State government education ^h	4.1	3.6	3.5	.5	.6
State government, except education	2.9	2.9	2.9	.0	.0
Local government	38.9	38.0	38.3	1.0	.6
Local government education	23.9	22.8	23.6	1.1	.2
Local government, except education	15.1	15.1	14.7	-.1	.4

Dayton-Springfield MSA

**Hours & Earnings
of Production or
Nonsupervisory
Workers^a**

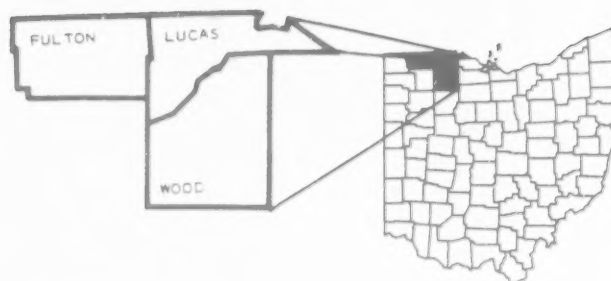
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$568.89	\$552.41	\$507.37	44.1	43.6	42.6	\$12.90	\$12.67	\$11.91
Durable Goods ^e	583.84	560.64	512.98	44.5	43.8	42.5	13.12	12.80	12.07
Fabricated metal products	374.52	380.02	380.69	39.8	40.6	41.2	9.41	9.36	9.24
Machinery, except electrical	608.40	598.95	561.55	45.1	45.0	43.7	13.49	13.31	12.85
Metalworking machinery	591.00	585.68	551.89	47.7	47.5	45.8	12.39	12.33	12.05
General industrial machinery	479.57	506.21	455.34	43.4	45.4	42.2	11.05	11.15	10.79
Electric and electronic equipment	465.56	451.80	427.63	45.2	44.6	45.3	10.30	10.13	9.44
Electrical industrial apparatus	562.49	541.65	520.78	48.2	47.1	48.4	11.67	11.50	10.76
Transportation equipment	769.86	699.43	596.77	46.8	44.1	41.1	16.45	15.86	14.52
Nondurable Goods ^f	525.89	529.70	490.92	43.0	43.1	42.8	12.23	12.29	11.47
Food and kindred products	354.80	355.28	361.09	41.4	41.7	43.4	8.57	8.52	8.32
Paper and allied products	480.04	509.81	498.41	43.6	45.6	45.6	11.01	11.18	10.93
Printing and publishing	473.20	461.68	451.67	41.4	39.8	40.4	11.43	11.60	11.18
Rubber and misc. plastics products	729.80	719.52	630.29	44.5	43.9	43.2	16.40	16.39	14.59
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	554.45	554.04	546.07	40.5	40.5	40.3	13.69	13.68	13.55
WHOLESALE TRADE	409.64	405.90	430.98	40.2	39.6	41.6	10.19	10.25	10.36
RETAIL TRADE ^h	165.31	163.29	162.45	28.7	28.3	28.4	5.76	5.77	5.72
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	355.58	355.91	363.58	33.8	33.8	34.3	10.52	10.53	10.60

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,390	2,315	2,754
Active File of Job Seekers	11,147	12,538	19,739
Referrals to Jobs	1,922	1,665	1,456
Placements	479	725	318
Job Openings Received	1,205	1,109	978
Job Openings Unfilled	2,075	2,065	2,492
Unemployment Insurance Program			
Initial Claims	2,912	2,523	2,455
Continued Claims	16,913	18,407	18,356
First Payments	1,255	1,407	1,261
Last Payments	314	346	370
Weeks Compensated	13,639	16,098	17,940
Benefits Paid	\$1,975,205	\$2,323,997	\$2,465,880
Average Weekly Payment	\$147.49	\$147.37	\$140.36

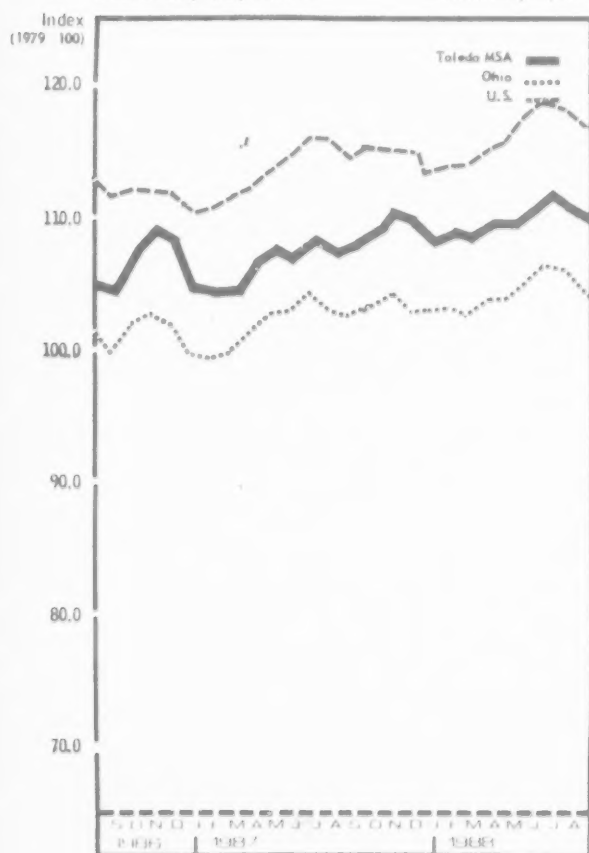
TOLEDO METROPOLITAN STATISTICAL AREA



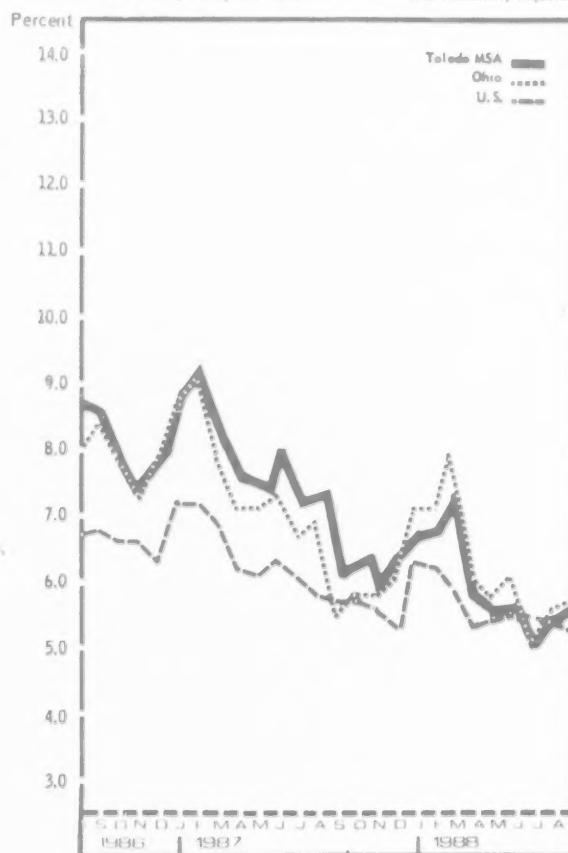
In the Toledo metropolitan area, total nonfarm payroll employment increased 2,200 from September, to 297,000 in October 1988. Nonmanufacturing employment rose 2,900 due to the continued return of nonteaching personnel in state and local schools and colleges and modest gains in retail trade and services. Seasonal reductions in food and kindred products lowered the manufacturing workforce 700 over the month, to 62,900. Factory production worker average hourly earnings, at \$13.25, increased \$.10 from last month. Their average workweek of 44.4 hours was .2 hours shorter.

Nonagricultural wage and salary employment advanced 11,200 between October 1987 and October 1988. Primary growth sectors were services, retail trade, and construction. Manufacturing industries added 1,400 workers over the year. Modest improvements occurred in fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products, while employment in transportation equipment and electric and electronic equipment declined.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

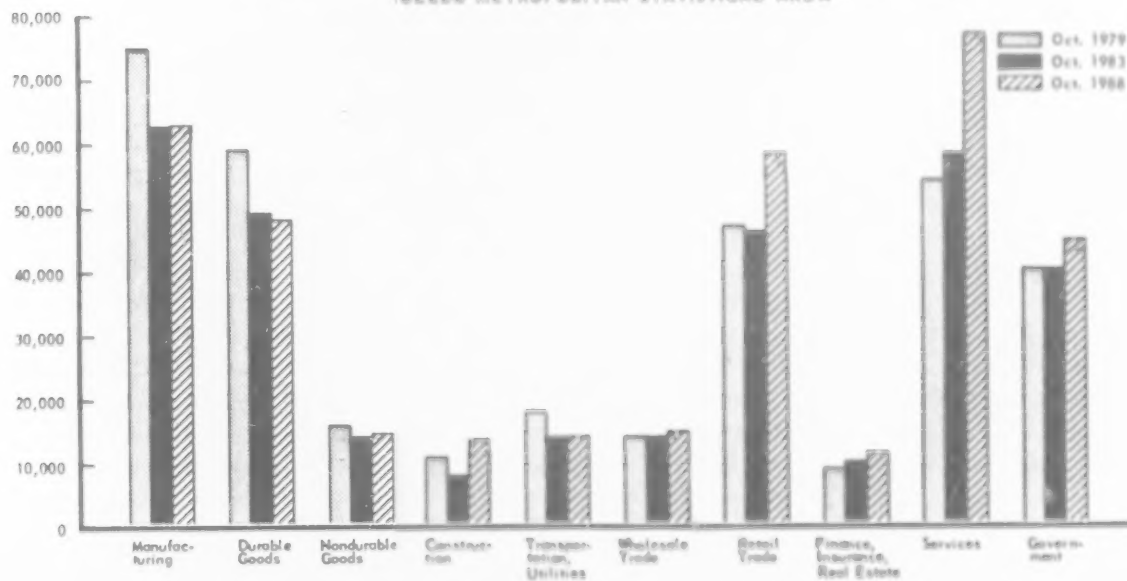


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total				Hours and Earnings						
Rate				Average Weekly Earnings						
				Average Weekly Hours						
				Average Hourly Earnings						
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	63.7	46.2	\$23.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	\$27.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	\$40.60	42.5	12.72
				1987						
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	\$39.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	\$36.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	\$48.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	\$56.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	\$72.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	\$26.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	\$68.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	\$72.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	\$52.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	\$71.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	\$43.93	42.1	12.92
314.1	297.2	16.9	5.4	August	288.2	63.3	45.3	\$49.95	42.5	12.94
312.2	294.5	17.6	5.6	September	294.7	63.6	45.6	\$66.49	44.6	13.15
INA	INA	INA	INA	October	297.0	62.9	44.9	\$88.30	44.4	13.25

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	297.0	294.7	285.8	2.2	11.2
MANUFACTURING	62.9	63.6	61.6	.7	1.4
Durable Goods ^e	48.4	48.4	47.3	.0	1.1
Stone, clay, and glass products	8.2	8.3	8.1	.1	.1
Primary metal industries	3.6	3.6	3.3	.0	.3
Fabricated metal products	8.0	7.9	7.4	.1	.6
Metal forgings and stampings	3.4	3.4	3.2	.0	.2
Machinery, except electrical	6.2	6.2	6.0	.1	.1
Electric and electronic equipment	2.1	2.0	2.1	.1	.1
Transportation equipment	15.4	15.4	15.8	.0	.4
Motor vehicles and equipment	14.4	14.4	14.9	.0	.5
Nondurable Goods ^f	14.6	15.2	14.3	.6	.3
Food and kindred products	3.8	4.3	3.7	.6	.0
Rubber and misc. plastics products	3.2	3.3	2.9	.1	.2
NONMANUFACTURING^g	234.0	231.1	224.2	2.9	9.8
CONSTRUCTION	13.7	13.6	12.0	.1	1.7
TRANSPORTATION AND PUBLIC UTILITIES	14.1	14.1	14.1	.0	.0
Trucking and warehousing	5.6	5.5	5.6	.1	.0
Communication, electric, gas services ..	5.0	5.1	5.0	.1	.0
WHOLESALE TRADE	15.3	15.3	14.9	.1	.4
Wholesale trade-durable goods	10.1	10.1	9.9	.0	.2
RETAIL TRADE	58.0	57.6	55.4	.4	2.5
General merchandise stores	8.0	7.7	7.8	.3	.2
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.3	11.5	.1	.0
Banking	3.6	3.6	3.6	.0	.0
SERVICES	76.8	76.4	72.7	.4	4.1
Business services	17.1	16.7	15.3	.3	1.7
Health services	27.7	27.6	27.1	.1	.6
Hospitals	15.3	15.1	15.3	.1	.0
GOVERNMENT	44.5	42.6	43.3	1.9	1.1
State government	16.8	15.4	16.4	1.4	.5
State government education ^h	12.6	11.2	12.4	1.4	.3
State government, except education ...	4.2	4.2	4.0	.0	.2
Local government	25.0	24.6	24.4	.4	.6
Local government education	14.3	13.9	14.0	.4	.3
Local government, except education ...	10.7	10.7	10.3	.0	.4

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

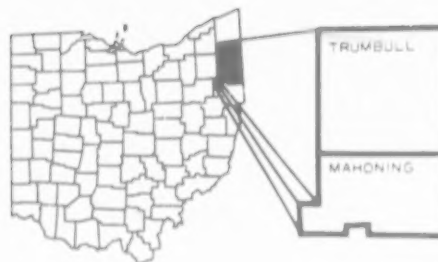
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$588.30	\$586.49	\$536.78	44.4	44.6	42.1	\$13.25	\$13.15	\$12.75
Durable Goods ^e	608.34	608.34	559.15	44.6	44.6	42.2	13.64	13.64	13.25
Stone, clay, and glass products	525.57	512.48	508.28	40.9	40.1	40.5	12.85	12.78	12.55
Primary metal industries	503.97	504.13	491.00	43.9	44.3	43.8	11.48	11.38	11.21
Fabricated metal products	536.03	536.46	541.37	44.3	43.9	43.0	12.10	12.22	12.59
Metal forgings and stampings	630.63	645.98	686.60	42.9	43.5	45.5	14.70	14.85	15.09
Machinery, except electrical	515.23	509.92	487.21	42.9	42.6	41.5	12.01	11.97	11.74
Electric and electronic equipment	578.11	583.43	483.60	45.7	46.6	40.3	12.65	12.52	12.00
Transportation equipment	793.83	788.76	657.41	47.0	46.7	41.9	16.89	16.89	15.69
Motor vehicles and equipment	800.88	799.18	659.60	47.0	46.9	41.8	17.04	17.04	15.78
Nondurable Goods ^f	519.34	512.90	463.14	43.9	44.6	41.8	11.83	11.50	11.08
Food and kindred products	587.86	632.94	533.46	44.4	48.8	43.3	13.24	12.97	12.32
Rubber and misc. plastics products	345.95	361.63	326.02	40.7	43.0	40.2	8.50	8.41	8.11
TRANSPORTATION AND PUBLIC UTILITIES	605.07	610.06	593.89	41.5	41.9	41.3	14.58	14.56	14.38
Communication, electric, gas services ..	605.07	610.06	593.89	41.5	41.9	41.3	14.58	14.56	14.38
WHOLESALE TRADE	400.14	386.06	353.81	39.5	38.8	37.8	10.13	9.95	9.36
RETAIL TRADE ^h	161.88	157.92	162.96	28.5	28.2	29.1	5.68	5.60	5.60

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,449	2,039	2,779
Active File of Job Seekers	17,082	16,676	16,108
Referrals to Jobs	1,833	1,441	1,882
Placements	658	470	575
Job Openings Received	1,055	951	1,048
Job Openings Unfilled	1,764	1,749	1,266
Unemployment Insurance Program			
Initial Claims	2,847	2,623	3,214
Continued Claims	14,134	15,889	21,229
First Payments	1,039	1,191	1,217
Last Payments	202	225	351
Weeks Compensated	11,310	13,517	16,392
Benefits Paid	\$1,711,651	\$2,015,180	\$2,367,855
Average Weekly Payment	\$155.35	\$152.31	\$148.05

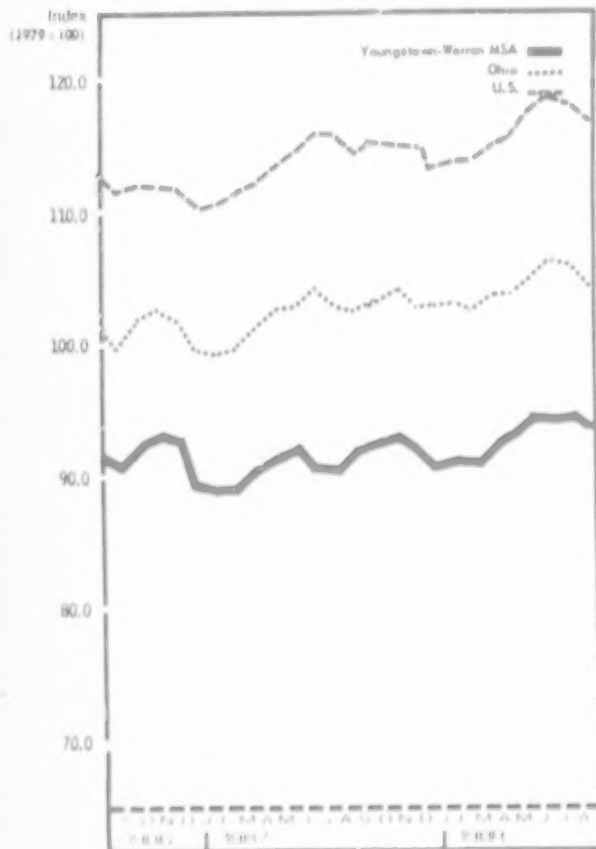
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



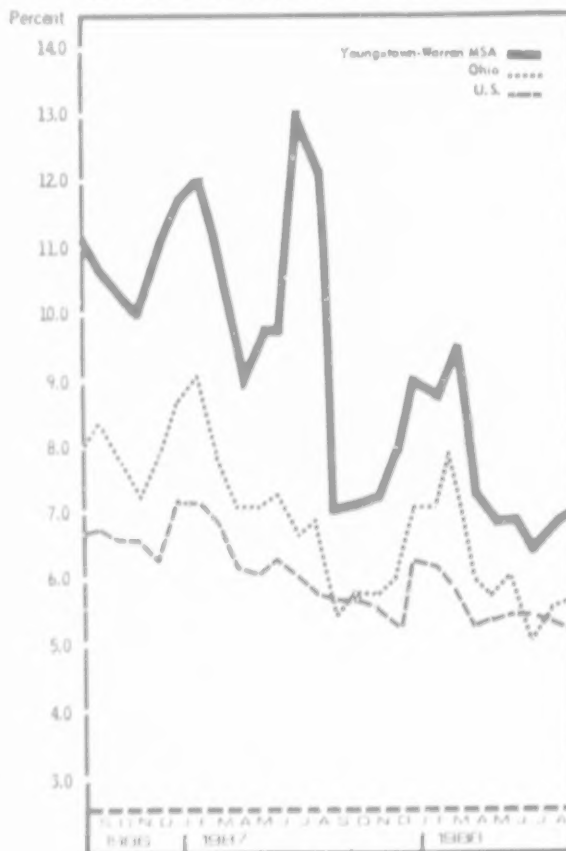
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area increased 300 from September, to 198,500 in October 1988. The improvement was concentrated in the nonmanufacturing sector. The return of nonteaching personnel in state schools and colleges and modest growth in retail trade outweighed seasonal decreases in services. Reductions in primary metal industries and transportation equipment negated a slight increase in nondurable goods as manufacturing employment declined 100 over the month, to 51,200. Factory production workers averaged \$13.63 per hour, up \$.04 from September. Their average workweek, at 43.1 hours, was .3 hours shorter.

Total nonfarm wage and salary employment advanced 6,700 between October 1987 and October 1988. Primary growth industries were retail trade (+2,100) and services (+1,300). Moderate improvements also occurred in wholesale trade and construction. Expansion in nonelectrical machinery and fabricated metal products contributed to the increase of 1,500 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
Total					Hours and Earnings					
Rate					Average					
					Weekly					
					Earnings					
					Average					
					Weekly					
					Hours					
					Earnings					
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	\$313.50	40.4	\$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
1987										
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
1988										
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	194.5	49.9	37.8	557.44	41.6	13.40
221.2	205.7	15.4	7.0	September	198.3	51.4	39.4	589.81	43.4	13.59
INA	INA	INA	INA	October	198.5	51.2	39.2	587.45	43.1	13.63

Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	October 1988 ^b	September 1988 ^c	October 1987 ^c	From Last Month	From Last Year
TOTAL	198.5	198.3	191.8	.3	6.7
MANUFACTURING	51.2	51.4	49.8	-.1	1.5
Durable Goods ^e	45.7	45.8	44.4	-.2	1.3
Primary metal industries	19.2	19.3	19.0	-.1	.2
Blast furnace and basic steel products	5.5	5.6	5.5	-.1	.0
Fabricated metal products	7.7	7.7	7.4	.0	.3
Machinery, except electrical	3.8	3.8	3.1 ^j	.0	.7
Electric and electronic equipment	2.3	2.2	2.3	.1	.0
Transportation equipment	9.6	9.7	9.5	-.1	.1
Nondurable Goods ^f	5.6	5.5	5.4	.1	.2
NONMANUFACTURING^g	147.3	146.9	142.0	.4	5.2
CONSTRUCTION	9.3	9.2	8.5	.0	.7
TRANSPORTATION AND PUBLIC UTILITIES	7.8	7.8	7.7	.0	.1
Communication, electric, gas services ..	2.9	3.0	3.0	.0	-.1
WHOLESALE TRADE	10.6	10.7	9.8	.0	.9
Wholesale trade-durable goods	6.5	6.5	6.2	.0	.3
RETAIL TRADE	41.3	40.9	39.2	.4	2.1
General merchandise stores	5.3	5.2	5.5	.1	-.2
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.4	8.2	-.1	.1
Banking	2.8	2.9	2.8	.0	.0
SERVICES	45.7	46.4	44.4	-.7	1.3
Health services	20.0	20.0	19.7	.1	.4
Hospitals	10.2	10.3	10.2	.0	.1
GOVERNMENT	23.6	22.8	23.6	.8	.0
State government	3.9	3.3	3.9	.7	.0
State government education ^h	2.5	1.8	2.5	.7	.0
State government, except education ...	1.4	1.5	1.5	-.1	.0
Local government	17.5	17.4	17.6	.1	-.1
Local government education	11.0	10.9	11.4	.1	-.4
Local government, except education ...	6.5	6.5	6.2	.0	.3

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c	Oct. 1988 ^b	Sept. 1988 ^c	Oct. 1987 ^c
MANUFACTURING	\$587.45	\$589.81	\$566.67	43.1	43.4	42.8	\$13.63	\$13.59	\$13.24
Durable Goods ^e	602.21	605.17	579.08	43.2	43.6	42.8	13.94	13.88	13.53
Primary metal industries	664.45	653.17	623.07	43.8	43.4	43.0	15.17	15.05	14.49
Blast furnace and basic steel products	620.16	610.16	626.55	45.6	45.5	45.7	13.60	13.41	13.71
Fabricated metal products	590.89	555.03	529.99	43.9	41.7	40.8	13.46	13.31	12.99
Machinery, except electrical	498.51	503.86	458.43	43.5	43.7	41.3	11.46	11.53	11.10
Electric and electronic equipment	457.15	469.96	450.96	41.0	41.7	40.3	11.15	11.27	11.19
Transportation equipment	621.03	668.84	645.07	42.8	46.0	45.3	14.51	14.54	14.24
Nondurable Goods ^f	425.52	425.15	433.25	41.8	41.6	41.9	10.18	10.22	10.34
TRANSPORTATION AND PUBLIC UTILITIES	579.96	563.58	547.68	40.9	40.4	40.3	14.18	13.95	13.59
Communication, electric, gas services ..									
WHOLESALE TRADE	376.75	371.84	341.03	39.7	39.6	37.6	9.49	9.39	9.07
RETAIL TRADE ^h	176.35	175.47	175.51	29.1	29.1	29.3	6.06	6.03	5.99

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,554	2,736	2,193
Active File of Job Seekers	17,285	17,310	17,220
Referrals to Jobs	1,884	1,450	1,809
Placements	627	366	597
Job Openings Received	1,021	518	920
Job Openings Unfilled	925	1,279	901
Unemployment Insurance Program			
Initial Claims	2,687	2,170	3,322
Continued Claims	12,751	14,056	15,422
First Payments	853	1,278	784
Last Payments	198	220	303
Weeks Compensated	10,197	12,074	13,005
Benefits Paid	\$1,433,810	\$1,722,414	\$1,726,378
Average Weekly Payment	\$144.40	\$145.91	\$137.12

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	.40	.2
Manufacturing	.56	.3
Nonmanufacturing	.35	.2
Mining	.56	1.1
Construction	.17	1.1
Transportation and Public Utilities	.43	.3
Wholesale Trade	.19	.3
Retail Trade	.20	.4
Finance, Insurance, and Real Estate	.42	.2
Services	.26	.3
Government	.70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	October 1988	September 1988	October 1987
New Applicants	38,294	36,557	45,283
Active File of Job Seekers	247,110	249,362	281,582
Counseling Interviews	1,547	1,297	1,544
Tests Administered	2,175	2,089	4,706
General Aptitude Tests	261	268	220
Proficiency Tests	462	380	611
Specific Aptitude Tests	420	322	891
Referrals to Jobs	31,168	26,723	31,324
Placements	9,249	6,724	9,231
Job Openings Received	14,190	12,301	15,342
Job Openings Unfilled	25,809	28,473	22,078

Selected Unemployment Insurance Activities

	October 1988	September 1988	October 1987
Initial Claims	43,496	36,030	47,415
Continued Claims	250,873	274,747	321,042
First Payments	16,329	17,918	16,813
Last Payments	4,363	4,871	5,715
Average Weekly Claimants	61,116	64,414	73,510
Average Weekly Benefit Recipients	48,898	53,834	59,312
Weeks Compensated	197,380	232,742	276,992
Benefits Paid	\$29,778,357	\$35,206,112	\$40,773,926
Average Weekly Payment	\$154.44	\$154.62	\$151.00
Continued Claims for Survey Week	59,781	61,278	75,868
Insured Unemployment Rate	1.4	1.5	1.7
Net Contributions	\$37,887,340	\$3,092,776	\$36,060,355
Active Employer Accounts	200,778	201,088	197,306

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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COLUMBUS OH 43216-1618

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BETHESDA MD 20814

Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

56270-1 2/1/89
Labor
Market
Review

November 1988

Summary. The seasonally adjusted unemployment rate in Ohio was 5.7 percent in November, about the same as the 5.6 percent rate in October. The national rate, at 5.4 percent, was also little changed over the month. Total employment in Ohio continued to rise, reaching 5,041,000 in November. The number of unemployed, at 304,000, was up 9,000 from October. Nonagricultural payroll employment rose 16,000, to 4,736,000. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,111,000 in November, advanced 4,000 from October. Durable-goods employment rose 4,000, to 746,000. Moderate improvements were noted in nonelectrical machinery, transportation equipment, fabricated metal products, and primary metal industries. Employment in nondurable-goods industries increased slightly, to 365,000.

Nonmanufacturing. Ohio's nonmanufacturing employment totaled 3,625,000 in November, up 12,000 from October. Retail trade and services increased 4,000 each. Construction added 3,000 jobs, while government employment rose 1,000. All other nonmanufacturing divisions were unchanged in employment.

Over the Year. The unemployment rate in Ohio fell from 6.0 percent in November 1987 to 5.7 percent in November 1988. Nationwide, the unemployment rate declined from 5.9 percent to 5.4 percent. Ohio's total employment increased 96,000, while the number of jobless workers dropped 14,000. Nonfarm wage and salary employment was up 110,000. Services gained 39,000 employees; retail trade advanced 28,000. Construction also had a significant increase. Mining showed no improvement over the year. Increases in both durable- and nondurable-goods employment raised the manufacturing total by 10,000 from November 1987.

Factory Hours and Earnings. Increases in nearly every manufacturing industry raised production worker average weekly earnings \$10.42 from October, to \$533.48 in November. Their average workweek of 43.8 hours was .5 hours longer. The most significant gains occurred in motor vehicles and equipment, metal forgings and stampings, aircraft and parts, iron and steel foundries, and general industrial machinery.

Benefits and Costs. There were 54,529 initial claims filed under the Ohio Unemployment Compensation Law in November, up 25.4 percent from October, but down 10.8 percent from November 1987. Total benefits paid rose 15.2 percent to \$34.3 million. The average benefit check of \$153.93 was \$.51 lower. The average weekly number of benefit recipients increased 2.2 percent, to 49,980. At the end of November, there were 200,899 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services helped 36,413 new job applicants in November, down 4.9 percent from October, and down .4 percent from November 1987. The number of job openings received from employers fell 28.4 percent from October, to 10,161 in November. The Employment Services Division made 25,370 job referrals and 6,445 placements.

The LMI Division is producing a new publication, *Leading Indicators*. This publication will contain indexes of leading economic indicators for Ohio and its eight largest metropolitan areas.

See pages 14 and 15 for more information.

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**Seasonally Adjusted Civilian Labor Force
& Nonagricultural Wage & Salary Employment
Estimates for Ohio^a**

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Nov. 1988	Oct. 1988	Nov. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^a							
Civilian Labor Force	5,345	5,311	5,263	34	82	0.6	1.6
Employment	5,041	5,016	4,945	25	96	0.5	1.9
Unemployment	304	295	318	9	-14	3.1	-4.4
Unemployment Rate	5.7	5.6	6.0				
Employer Survey Data^a							
Total	4,736	4,720	4,626	16	110	0.3	2.4
Manufacturing	1,111	1,106	1,100	4	10	0.4	0.9
Durable Goods	746	742	738	4	8	0.5	1.0
Nondurable Goods	365	364	362	1	3	0.2	0.7
Nonmanufacturing	3,625	3,613	3,526	12	100	0.3	2.8
Mining	20	20	20	0	0	-0.5	-1.5
Construction	195	192	182	3	13	1.4	7.0
Transportation and Public Utilities	210	210	207	0	3	0.2	1.4
Wholesale Trade	260	259	252	0	8	0.2	3.2
Retail Trade	885	881	857	4	28	0.5	3.3
Finance, Insurance, and Real Estate	253	253	246	0	7	0.1	2.8
Services	1,108	1,104	1,069	4	39	0.4	3.7
Government	694	694	692	1	2	0.1	0.3
Goods Producing Industries ^d	1,325	1,318	1,303	7	23	0.5	1.7
Service Producing Industries ^e	3,411	3,401	3,323	10	87	0.3	2.6

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. ^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. ^fIncludes Mining, Construction, and Manufacturing. ^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
5,265	4,868	397	7.5	6.9
5,275	4,854	421	8.0	6.7
5,276	4,849	427	8.1	6.7
5,295	4,850	445	8.4	6.6
5,237	4,838	399	7.6	6.5
5,236	4,854	382	7.3	6.3
5,277	4,884	393	7.4	6.3
5,251	4,874	377	7.2	6.1
5,252	4,886	366	7.0	6.0
5,234	4,873	361	6.9	6.0
5,181	4,891	290	5.6	5.9
5,215	4,900	315	6.0	6.0
5,263	4,945	318	6.0	5.9
5,264	4,937	327	6.2	5.8
5,330	4,983	347	6.5	5.8
5,355	5,013	342	6.4	5.7
5,369	4,958	411	7.7	5.6
5,277	4,945	332	6.3	5.4
5,248	4,922	326	6.2	5.6
5,271	4,959	312	5.9	5.3
5,252	4,973	279	5.3	5.4
5,298	5,000	298	5.6	5.6
5,251	4,947	304	5.8	5.4
5,311	5,016	295	5.6	5.3
5,345	5,041	304	5.7	5.4

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Total Nonagricultural			
	Manufacturing		
		Durable	Non-durable
1986			
November	4,509	1,102	744
December	4,521	1,103	745
1987			
January	4,532	1,096	740
February	4,549	1,099	742
March	4,552	1,093	737
April	4,552	1,096	738
May	4,560	1,094	736
June	4,568	1,092	735
July	4,567	1,082	725
August	4,589	1,095	734
September	4,597	1,097	737
October	4,610	1,097	736
November	4,626	1,100	738
December	4,639	1,103	739
1988			
January	4,654	1,104	739
February	4,665	1,102	737
March	4,667	1,096	732
April	4,667	1,099	736
May	4,673	1,099	736
June	4,682	1,100	737
July	4,687	1,099	736
August	4,689	1,098	736
September	4,700	1,098	736
October	4,720	1,106	742
November	4,736	1,111	746

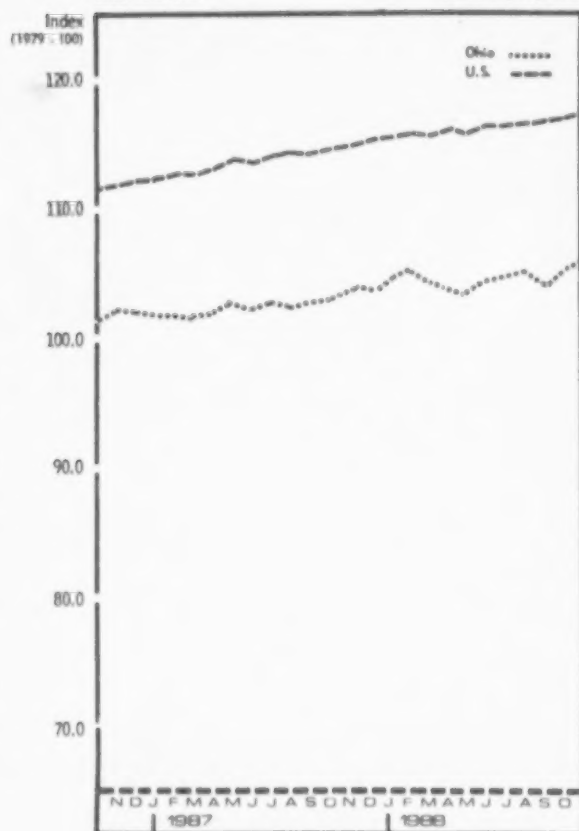
Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,406	22	164	206	244	828	238	1023	682
3,418	22	166	206	244	830	239	1028	684
3,436	22	173	206	245	836	239	1029	686
3,451	22	174	206	246	842	240	1035	686
3,459	21	175	206	246	845	241	1038	687
3,457	21	173	206	247	841	241	1040	687
3,467	21	174	207	248	844	242	1044	687
3,476	21	175	207	248	845	243	1049	688
3,484	21	176	207	249	847	244	1054	686
3,494	21	177	207	250	850	245	1057	688
3,500	21	178	207	251	852	245	1060	686
3,514	20	180	208	251	855	246	1064	690
3,526	20	182	207	252	857	246	1069	692
3,536	20	185	208	253	859	247	1072	693
3,550	20	191	208	253	864	248	1075	689
3,563	20	192	207	254	869	249	1079	692
3,572	20	192	208	254	870	249	1084	694
3,568	20	191	209	254	868	250	1084	693
3,574	20	190	209	254	869	250	1088	693
3,582	20	191	209	256	870	250	1092	694
3,588	20	191	210	256	873	251	1094	693
3,591	20	191	210	257	875	252	1098	688
3,602	20	192	210	258	876	252	1101	693
3,613	20	192	210	259	881	251	1104	694
3,625	20	195	210	260	885	251	1108	694

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

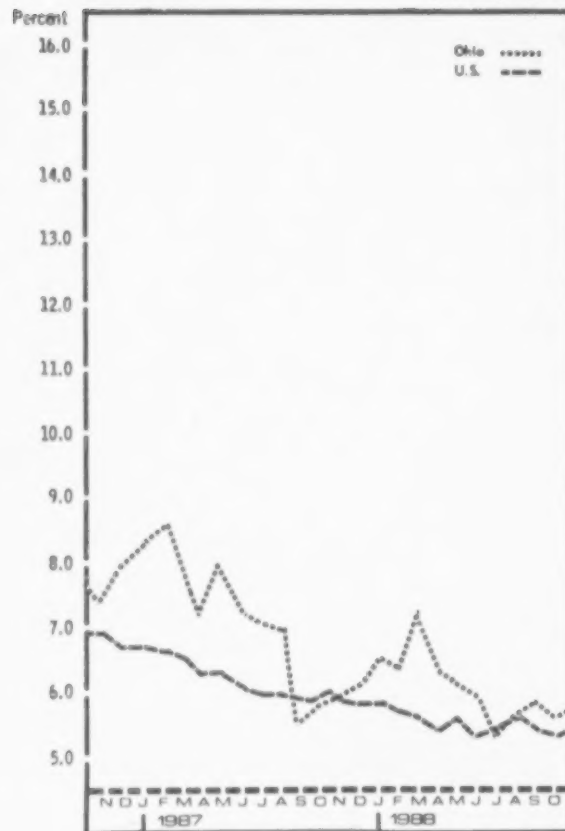
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.

(Seasonally Adjusted)

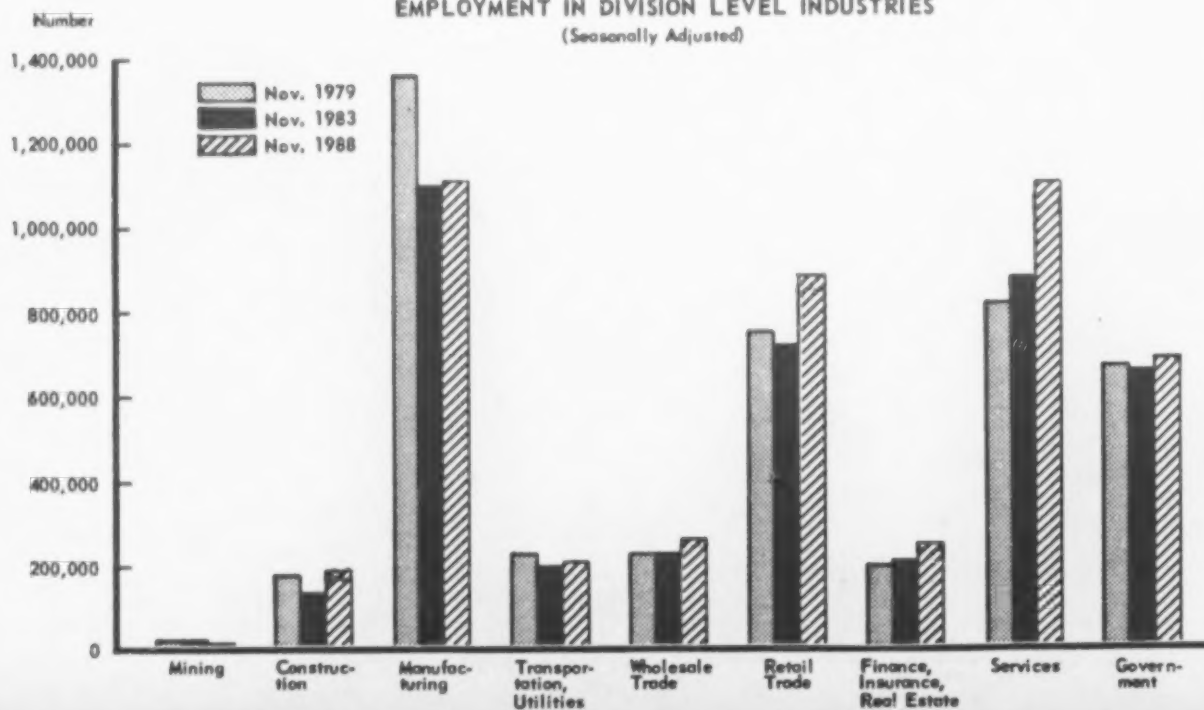


UNEMPLOYMENT RATES
OHIO AND U.S.

(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates^B

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
4,833	4,520	312	6.5	7.1
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,231	4,806	425	8.1	7.0
5,248	4,881	367	7.0	6.2
5,285	4,980	305	5.8	5.6
5,259	4,937	322	6.1	5.4
5,258	4,883	375	7.1	6.3
5,279	4,905	374	7.1	6.2
5,295	4,879	416	7.9	5.9
5,257	4,941	316	6.0	5.3
5,243	4,941	302	5.8	5.4
5,325	5,002	323	6.1	5.5
5,336	5,064	272	5.1	5.5
5,343	5,044	299	5.6	5.4
5,251	4,952	300	5.7	5.2
5,327	5,052	276	5.2	5.0
5,360	5,075	284	5.3	5.2

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural			
	Manufacturing		
	Durable	Non-durable	
1977	4,230.1	1,344.1	945.2
1978	4,394.9	1,377.2	974.5
1979	4,484.8	1,382.3	980.5
1980	4,367.4	1,264.3	882.6
1981	4,317.7	1,232.6	860.4
1982	4,124.3	1,099.9	752.4
1983	4,092.5	1,066.0	723.6
1984	4,260.2	1,127.0	773.4
1985	4,372.9	1,124.3	768.7
1986	4,471.4	1,109.8	752.7
1987	4,578.9	1,095.3	736.4
1987	4,674.2	1,103.7	740.2
November	4,676.9	1,102.9	738.6
December	4,676.9	1,102.9	738.6
1988	4,565.8	1,094.5	732.6
January	4,568.8	1,092.4	732.3
February	4,595.8	1,088.8	729.0
March	4,653.9	1,097.7	737.1
April	4,704.6	1,099.7	738.4
May	4,728.6	1,106.7	742.1
June	4,692.8	1,100.0	736.6
July	4,693.3	1,101.2	735.6
August	4,745.2	1,109.4	740.7
September	4,770.6	1,109.1	742.8
October	4,845.1	1,113.9	747.8
November	4,845.1	1,113.9	747.8

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	152.8	219.1	214.6	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	847.7	243.1	1,051.2	688.1
3,570.4	20.8	192.7	209.6	252.2	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	887.8	246.7	1,064.7	708.9
3,471.3	20.1	163.5	203.3	250.9	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	878.8	253.9	1,108.4	653.2
3,592.0	20.5	212.2	211.7	258.1	883.8	254.4	1,110.1	641.3
3,635.9	20.5	211.6	212.5	258.3	885.7	252.9	1,115.2	679.0
3,661.4	20.5	212.4	212.7	260.3	889.1	253.1	1,110.6	702.8
3,731.2	20.4	206.2	212.4	260.2	902.8	253.1	1,106.8	769.3

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment

(in thousands)

Manufacturing			
	Durable Goods	Nondurable Goods	
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,095.3	736.4	358.9	1987
			1987
1,103.7	740.2	363.6	November
1,102.9	738.6	364.3	December
			1988
1,094.5	732.6	361.9	January
1,092.4	732.3	360.1	February
1,088.8	729.0	359.7	March
1,097.7	737.1	360.6	April
1,099.7	738.4	361.3	May
1,106.7	742.1	364.7	June
1,100.0	736.6	363.3	July
1,101.2	735.6	365.6	August
1,109.4	740.7	368.7	September
1,109.1	742.8	366.4	October
1,113.9	747.8	366.1	November

Production Workers

in Manufacturing

Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
958.0	\$271.2	40.2
985.5	302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
748.5	374.0	31.9
1987		
759.0	388.2	32.8
758.6	388.9	32.8
1988		
750.1	380.8	32.1
748.5	376.4	31.7
744.5	378.6	31.8
752.3	388.8	32.4
754.3	389.5	32.4
759.3	396.2	32.9
751.9	377.8	31.8
753.6	380.6	32.0
762.7	398.0	33.0
762.3	398.7	33.0
767.0	409.2	33.6

Production Workers

Average Weekly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$283.08	\$292.02	\$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.22	465.89	April
516.43	540.27	460.90	May
521.77	547.87	464.62	June
502.52	521.85	461.47	July
504.98	525.21	460.22	August
521.77	545.38	469.63	September
523.06	546.69	467.84	October
533.48	557.80	474.82	November

Production Workers

Average Weekly Hours

Manufacturing			
	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.0	43.5	41.9	May
43.3	43.9	42.2	June
42.3	42.6	41.8	July
42.4	42.7	41.8	August
43.3	43.7	42.5	September
43.3	43.7	42.3	October
43.8	44.2	42.7	November

Production Workers

Average Hourly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$6.74	\$6.92	\$6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
			1987
11.84	12.22	10.96	November
11.84	12.21	10.99	December
			1988
11.86	12.23	10.98	January
11.86	12.27	10.92	February
11.91	12.31	10.97	March
12.02	12.43	11.04	April
12.01	12.42	11.00	May
12.05	12.48	11.01	June
11.88	12.25	11.04	July
11.91	12.30	11.01	August
12.05	12.48	11.05	September
12.08	12.51	11.06	October
12.18	12.62	11.12	November

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment

(in thousands)

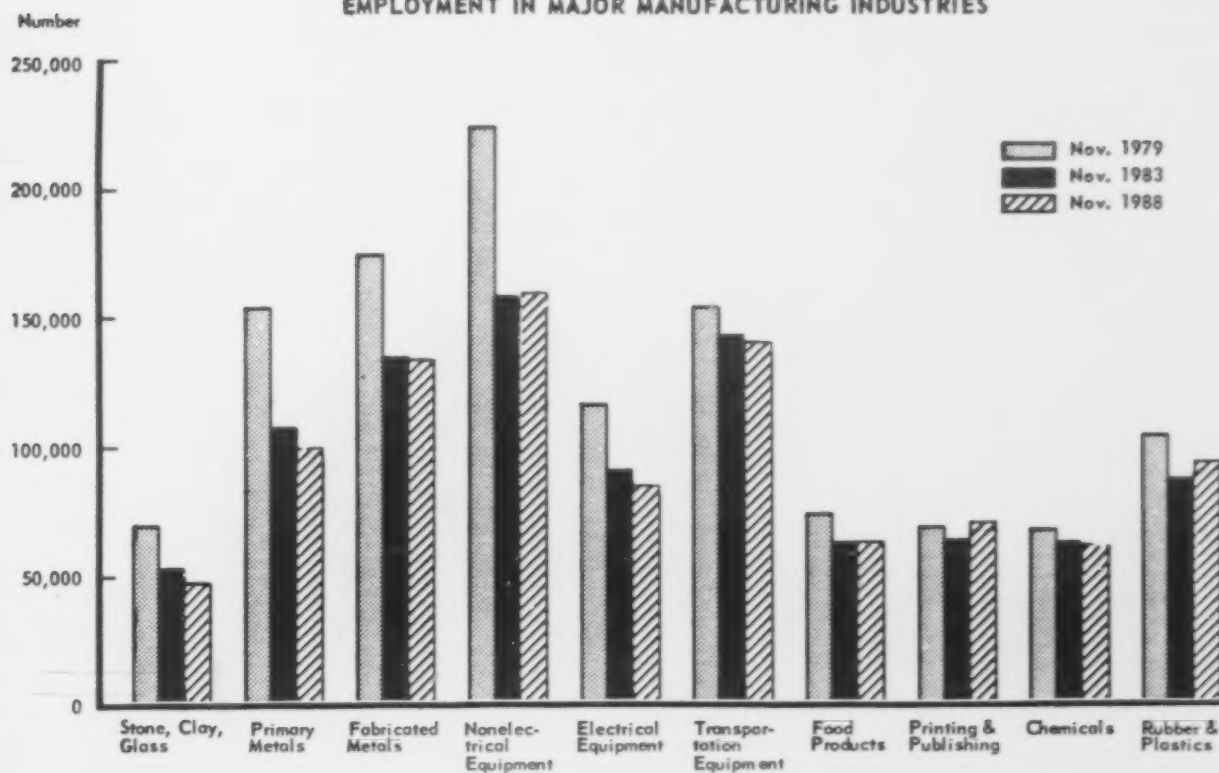
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
1987				1987				1987		
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
1988				1988				1988		
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.6	100.4	134.6	September	158.4	85.3	138.0	September	67.4	71.5	94.3
48.5	100.1	134.7	October	158.9	85.9	139.2	October	65.0	71.7	94.9
48.7	100.7	135.6	November	160.3	85.8	141.2	November	64.7	71.7	94.9

Average Weekly Earnings of Production Workers

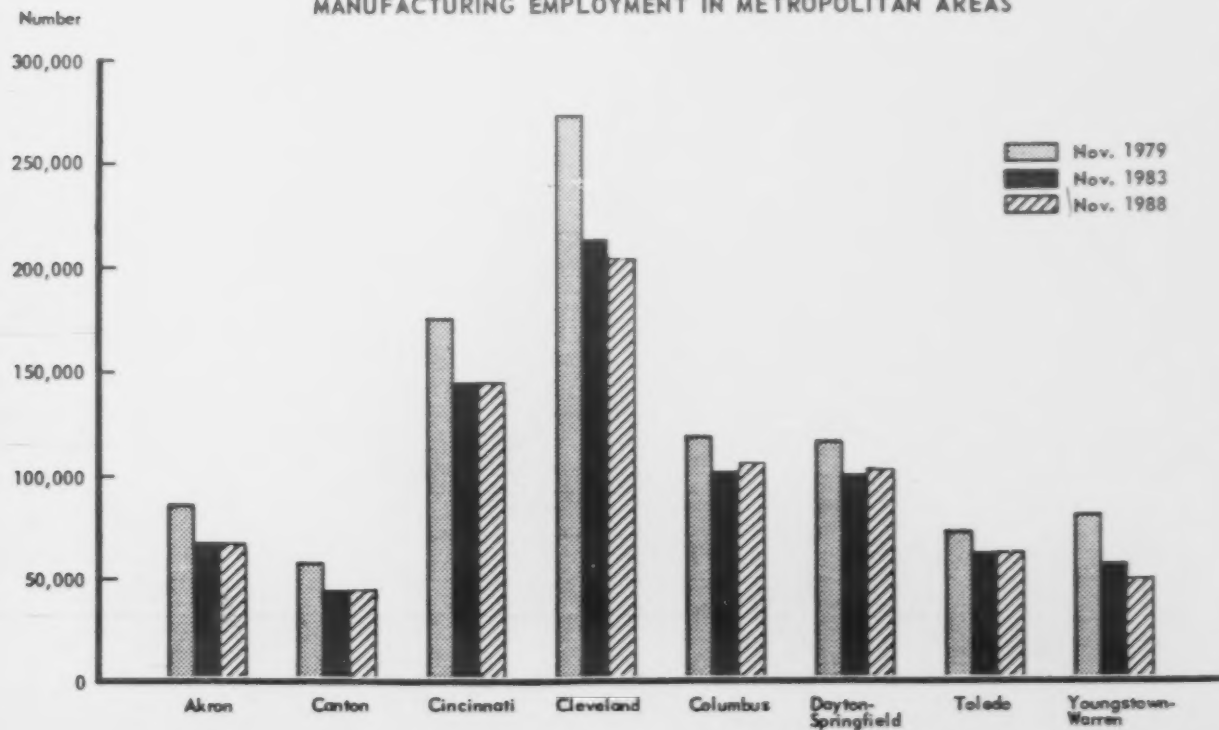
\$253.95	\$329.54	\$290.44	1977	\$279.18	\$248.44	\$359.20	1977	\$258.54	\$271.96	\$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
1987				1987				1987		
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
1988				1988				1988		
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
472.81	640.68	530.61	November	546.35	477.14	720.59	November	452.19	451.73	462.88

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	4845.1	4770.6	4674.2	74.5	170.9
MANUFACTURING	1113.9	1109.1	1103.7	4.7	10.1
Durable Goods ^e	747.8	742.8	740.2	5.0	7.6
Lumber and wood products	23.0	23.0	20.6	.0	2.5
Furniture and fixtures	14.2	14.3	14.6	-.1	-.3
Stone, clay, and glass products	48.7	48.5	48.3	.1	.4
Glass and glassware, pressed or blown	9.8	9.7	9.7	.1	.0
Primary metal industries	100.7	100.1	98.2	.6	2.5
Blast furnace and basic steel products	45.3	44.8	44.1	.5	1.2
Iron and steel foundries	21.8	21.6	20.8	.2	1.1
Nonferrous rolling and drawing	18.1	18.1	17.7	.0	.4
Fabricated metal products	135.6	134.7	135.0	.8	.6
Cutlery, hand tools, and hardware	9.9	9.9	9.9	.0	.0
Fabricated structural metal products ..	28.5	28.6	29.3	-.1	-.8
Metal forgings and stampings	42.9	42.3	42.8	.5	.1
Machinery, except electrical	160.3	158.9	154.4	1.4	5.9
Construction and related machinery ...	12.6	12.6	12.4	.0	.2
Metalworking machinery	40.8	40.6	39.5	.2	1.2
Special industry machinery	18.2	18.0	16.6	.3	1.6
General industrial machinery	28.3	28.1	27.4	.1	.9
Office and computing machines	13.2	13.0	13.8	.1	-.6
Refrigeration and service machinery ..	16.1	15.9	15.6	.2	.4
Electric and electronic equipment	85.8	85.9	86.2	.0	-.4
Electrical industrial apparatus	17.1	17.1	16.0	.0	1.1
Household appliances	15.6	15.5	15.9	.1	-.3
Electric lighting and wiring equipment ..	17.1	17.4	17.0	-.3	.1
Communication equipment	9.8	9.8	10.1	.1	-.3
Transportation equipment	141.2	139.2	145.3	2.0	4.1
Motor vehicles and equipment	93.7	93.0	94.6	.8	-.9
Aircraft and parts	38.2	36.9	41.1	1.3	2.9
Instruments and related products	23.5	23.4	23.5	.1	.0
Measuring and controlling devices	12.8	12.8	13.0	.0	-.2
Nondurable Goods^f	366.1	366.4	363.6	-.3	2.5
Food and kindred products	64.7	65.0	63.1	-.3	1.7
Meat products	9.2	9.0	9.7	.2	-.5
Dairy products	10.9	10.9	10.5	.0	.4
Preserved fruits and vegetables	11.3	11.9	10.3	-.6	1.0
Bakery products	9.0	9.1	8.9	-.1	.1
Beverages	9.5	9.6	9.3	-.1	.2
Apparel and other textile products	17.1	16.9	16.5	.2	.6
Paper and allied products	37.6	37.5	37.6	.1	.0
Misc. converted paper products	12.4	12.4	12.2	.0	.2
Paperboard containers and boxes	13.2	13.1	13.2	.1	.0
Printing and publishing	71.7	71.7	71.6	.0	.1
Newspapers	19.4	19.4	19.5	.0	-.1
Commercial printing	26.7	26.7	26.6	-.1	.0
Chemicals and allied products	63.2	63.5	63.3	-.2	-.1
Industrial inorganic chemicals	8.6	8.7	9.4	-.1	-.8
Rubber and misc. plastics products	94.9	94.9	94.7	.0	.2
Tires and inner tubes	17.2	17.2	16.9	.1	.3
Miscellaneous plastics products	56.7	56.9	56.9	-.2	-.3

See footnotes on page 13.

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
NONMANUFACTURING	3731.2	3661.4	3570.4	69.8	160.8
MINING	20.4	20.5	20.8	- .1	- .4
Bituminous coal and lignite mining	8.4	8.5	8.8	- .1	- .4
Oil and gas extraction	7.0	6.9	7.0	.1	.0
CONSTRUCTION	206.2	212.4	192.7	- 6.2	13.5
General building contractors	52.0	52.6	47.5	- .6	4.5
Heavy construction contractors	27.3	30.1	25.9	- 2.8	1.4
Highway and street construction	12.5	14.3	11.4	- 1.9	1.0
Special trade contractors	126.9	129.7	119.3	- 2.8	7.6
TRANSPORTATION AND PUBLIC UTILITIES	212.4	212.7	209.6	- .3	2.9
Railroad transportation	12.9	13.3	13.6	- .4	- .7
Transportation, except railroads	110.8	110.5	106.5	.3	4.3
Trucking and warehousing	76.3	75.8	74.5	.5	1.7
Communication, electric, gas services ..	88.7	88.8	89.4	- .2	- .8
Communication	47.0	47.1	47.6	- .1	- .6
Electric, gas, and sanitary services ..	41.7	41.8	41.8	- .1	- .2
WHOLESALE TRADE	260.2	260.3	252.2	.0	8.0
Wholesale trade-durable goods	163.1	163.1	158.7	.0	4.4
Motor vehicles & automotive equipment ..	22.3	22.4	21.9	- .1	.4
Electrical goods	19.6	19.5	19.7	.1	- .1
Machinery, equipment, and supplies ...	69.6	69.5	67.8	.1	1.8
Wholesale trade-nondurable goods	97.1	97.2	93.4	- .1	3.7
Groceries and related products	30.5	30.4	29.5	.1	1.0
RETAIL TRADE	902.8	889.1	873.9	13.8	28.9
General merchandise stores	129.4	122.4	128.5	7.0	.9
Department stores	112.1	105.8	112.1	6.3	.0
Food stores	139.4	136.9	133.5	2.5	5.8
Automotive dealers & service stations ..	96.8	97.3	93.9	- .4	3.0
Apparel and accessory stores	46.9	45.3	44.1	1.6	2.8
Eating and drinking places	308.2	309.2	300.0	- .9	8.3
FINANCE, INSURANCE, AND REAL ESTATE	253.1	253.1	246.2	.0	6.9
Banking	64.4	64.5	63.3	- .1	1.1
Credit agencies other than banks	37.9	37.9	37.7	.0	.3
Insurance carriers	70.1	69.9	68.6	.2	1.5
Life insurance	26.0	25.9	25.8	.0	.2
Fire, marine, and casualty insurance ..	31.1	31.0	30.5	.1	.5
SERVICES	1106.8	1110.6	1067.5	- 3.8	39.3
Hotels and other lodging places	35.2	35.6	34.1	- .4	1.1
Personal services	59.1	59.0	56.9	.1	2.2
Laundry, cleaning, & garment services ..	19.9	19.8	19.3	.1	.6
Business services	230.7	230.6	216.1	.2	14.6
Services to buildings	32.0	32.0	30.1	.0	2.0
Computer and data processing services ..	21.3	21.2	19.4	.1	2.0
Amusement and recreation services	34.2	38.3	35.7	- 4.1	- 1.5
Health services	374.9	375.1	364.9	- .2	10.0
Nursing and personal care facilities ..	83.2	83.3	80.7	- .1	2.5
Hospitals	179.8	180.2	178.1	- .4	1.6
Educational services	67.3	66.0	65.8	1.4	1.5
Colleges and universities	37.6	36.7	36.4	.9	1.2
GOVERNMENT	769.3	702.8	707.6	66.5	61.7
Federal government	94.9	94.7	95.3	.2	- .4
State government	164.0	161.6	160.4	2.4	3.7
State government education ¹	90.3	87.8	87.3	2.4	3.0
State government, except education ...	73.7	73.7	73.1	.0	.7
Local government	510.3	446.5	451.9	63.8	58.4
Local government education	264.2	260.0	267.5	4.2	- 3.3
Local government, except education ...	246.2	186.5	184.4	59.7	61.8

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$533.48	\$523.06	\$511.49	43.8	43.3	43.2	\$12.18	\$12.08	\$11.84
Durable Goods ^e	557.80	546.69	531.57	44.2	43.7	43.5	12.62	12.51	12.22
Lumber and wood products	329.70	327.96	302.17	42.0	42.1	41.0	7.85	7.79	7.37
Furniture and fixtures	380.80	366.79	359.51	41.8	40.8	40.9	9.11	8.99	8.79
Stone, clay, and glass products	472.81	468.47	457.53	43.1	42.9	42.8	10.97	10.92	10.69
Glass and glassware, pressed or blown	498.93	509.12	469.45	42.9	43.0	40.4	11.63	11.84	11.62
Primary metal industries	640.68	628.60	614.66	45.6	44.9	44.8	14.05	14.00	13.72
Blast furnace and basic steel products	638.40	636.53	641.59	44.8	44.7	45.6	14.25	14.24	14.07
Iron and steel foundries	697.25	669.76	634.89	47.4	46.0	44.9	14.71	14.56	14.14
Nonferrous rolling and drawing	672.72	661.42	628.30	44.2	43.4	42.8	15.22	15.24	14.68
Fabricated metal products	530.61	522.97	511.06	43.6	43.4	43.2	12.17	12.05	11.83
Cutlery, hand tools, and hardware	517.48	490.84	496.90	41.8	40.7	41.1	12.38	12.06	12.09
Fabricated structural metal products ..	464.03	463.86	467.86	42.3	42.4	43.2	10.97	10.94	10.83
Metal forgings and stampings	664.55	644.47	620.65	45.3	44.6	43.8	14.67	14.45	14.17
Machinery, except electrical	546.35	537.14	521.70	44.6	44.1	44.1	12.25	12.18	11.83
Construction and related machinery ...	452.81	431.01	428.40	42.2	40.7	42.0	10.73	10.59	10.20
Metalworking machinery	528.71	519.30	504.87	45.5	45.0	44.6	11.62	11.54	11.32
Special industry machinery	525.33	520.95	499.49	45.8	45.3	43.7	11.47	11.50	11.43
General industrial machinery	564.12	541.80	546.75	43.9	43.0	44.2	12.85	12.60	12.37
Office and computing machines	449.76	453.11	426.82	41.3	41.8	43.2	10.89	10.84	9.88
Refrigeration and service machinery ..	635.63	642.52	582.34	44.7	44.9	42.6	14.22	14.31	13.67
Electric and electronic equipment	477.14	470.12	475.58	42.3	41.9	42.5	11.28	11.22	11.19
Electrical industrial apparatus	487.08	486.42	484.63	44.0	44.1	43.7	11.07	11.03	11.09
Household appliances	489.23	486.02	486.74	40.6	40.3	40.8	12.05	12.06	11.93
Electric lighting and wiring equipment ..	94.38	478.72	478.82	42.4	41.7	42.6	11.66	11.48	11.24
Communication equipment	458.57	459.76	488.87	39.6	39.6	41.5	11.58	11.61	11.78
Transportation equipment	720.59	699.79	653.43	46.4	45.5	44.3	15.53	15.38	14.75
Motor vehicles and equipment	758.31	735.76	674.18	47.1	46.1	44.5	16.10	15.96	15.15
Aircraft and parts	628.54	599.18	621.45	44.8	43.8	45.0	14.03	13.68	13.81
Instruments and related products	378.51	376.48	369.36	40.7	40.7	40.5	9.30	9.25	9.12
Measuring and controlling devices	366.28	365.24	352.94	39.3	39.4	38.7	9.32	9.27	9.12
Nondurable Goods ^f	474.82	467.84	466.90	42.7	42.3	42.6	11.12	11.06	10.96
Food and kindred products	452.19	440.37	444.15	42.3	42.1	42.3	10.69	10.46	10.50
Meat products	358.69	363.21	397.03	40.9	41.7	42.6	8.77	8.71	9.32
Dairy products	484.85	449.86	464.10	44.4	42.4	42.5	10.92	10.61	10.92
Preserved fruits and vegetables	479.54	461.36	452.52	42.4	42.6	41.9	11.31	10.83	10.80
Bakery products	487.90	468.45	472.28	41.0	39.8	40.4	11.90	11.77	11.69
Beverages	424.68	440.91	413.03	40.6	41.4	40.1	10.46	10.65	10.30
Apparel and other textile products	315.82	308.73	299.60	41.5	41.0	40.0	7.61	7.53	7.49
Paper and allied products	510.96	498.27	492.62	44.9	43.9	44.3	11.38	11.35	11.12
Misc. converted paper products	442.88	430.72	441.23	44.2	42.9	43.6	10.02	10.04	10.12
Paperboard containers and boxes	454.96	440.15	428.67	44.0	42.9	43.3	10.34	10.26	9.90
Printing and publishing	451.73	448.33	446.00	39.8	39.5	40.0	11.35	11.35	11.15
Newspapers	388.96	381.64	390.20	35.2	34.6	35.7	11.05	11.03	10.93
Commercial printing	455.94	449.49	441.79	41.6	41.2	41.6	10.96	10.91	10.62
Chemicals and allied products	565.85	554.17	562.89	42.9	42.4	43.5	13.19	13.07	12.94
Industrial inorganic chemicals	613.82	601.66	627.88	45.3	44.9	45.4	13.55	13.40	13.83
Rubber and misc. plastics products	462.88	454.14	454.31	44.0	43.5	43.6	10.52	10.44	10.42
Tires and inner tubes	676.20	667.58	657.95	46.0	45.6	46.4	14.70	14.64	14.18
Miscellaneous plastics products	445.88	438.34	436.46	43.8	43.4	43.3	10.18	10.10	10.08

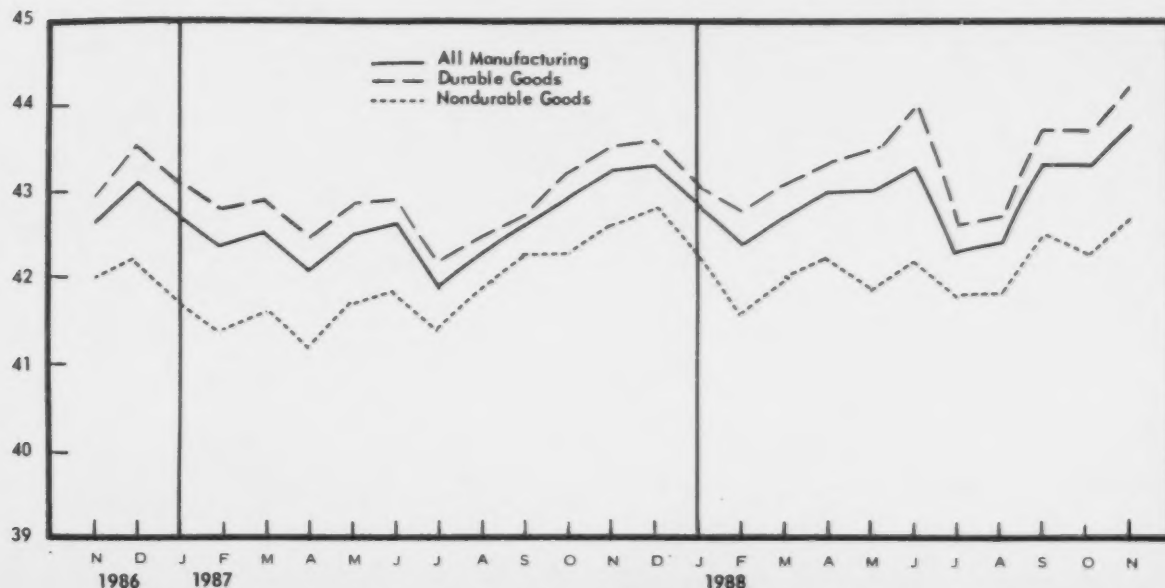
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MINING	\$556.80	\$549.07	\$543.37	43.5	43.2	43.4	\$12.80	\$12.71	\$12.52
Bituminous coal and lignite mining	662.86	657.70	655.78	41.9	41.6	42.5	15.82	15.81	15.43
CONSTRUCTION	610.64	617.42	589.25	40.2	40.7	39.6	15.19	15.17	14.88
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	577.51	571.02	558.81	40.9	40.7	40.7	14.12	14.03	13.73
Communication	557.92	548.97	541.35	40.4	40.1	40.1	13.81	13.69	13.50
Electric, gas, and sanitary services ..	602.37	598.85	582.25	41.6	41.5	41.5	14.48	14.43	14.03
WHOLESALE TRADE	395.75	399.06	386.50	39.3	39.2	39.6	10.07	10.18	9.76
Wholesale trade-durable goods	388.86	388.83	378.97	39.2	39.0	39.6	9.92	9.97	9.57
Wholesale trade-nondurable goods	406.61	416.59	399.17	39.4	39.6	39.6	10.32	10.52	10.08
RETAIL TRADE ^h	168.17	167.31	161.03	28.6	28.6	28.3	5.88	5.85	5.69
General merchandise stores	178.35	179.07	171.08	28.4	28.2	28.0	6.28	6.35	6.11
Department stores	183.04	184.32	174.72	28.6	28.4	28.0	6.40	6.49	6.24
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	265.01	266.06	258.76	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	273.05	272.34	255.02	.....	.....	.....	.....	.....	.....
Insurance carriers	379.30	378.13	354.50	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	343.25	340.96	332.23	33.1	33.2	32.7	10.37	10.27	10.16

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Leading Indicators

The Labor Market Information Division of the Ohio Bureau of Employment Services is pleased to announce a new monthly publication. The first issue (January 1989 data) of *Leading Indicators* will be available in early March 1989. This publication will present leading indicator indexes of the economy that have been developed for Ohio and for its eight largest metropolitan areas. Like the national composite index of leading indicators, these indexes are designed to anticipate changes in the local economy based on changes in key component indicators of economic activity.

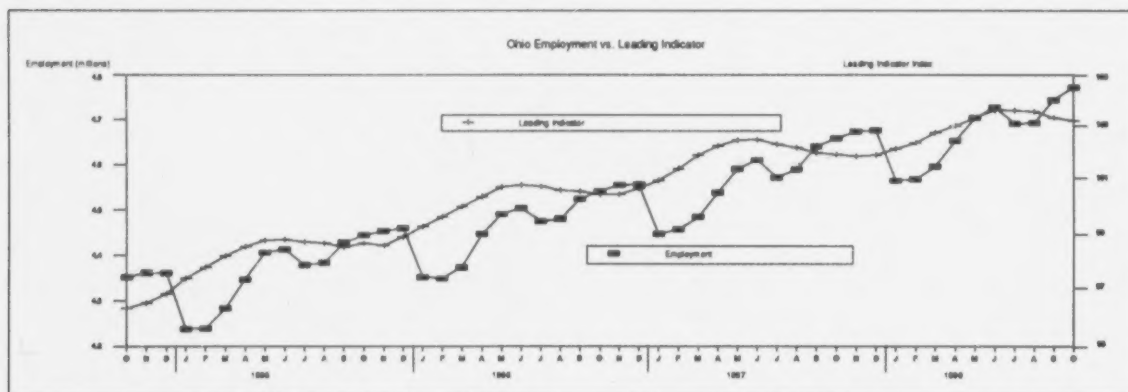
The five components chosen to form the composite index for each area were based on the following criteria:

- 1) economic plausibility as a leading indicator,
- 2) statistical ability to explain employment variation over the business cycle, and
- 3) timely availability of consistent monthly observations.

Five series consistently explained a large portion of employment variation and business cycle movement in each of the geographic areas. Two of these, the national composite index of leading indicators and domestic auto production, are common component indicators for each of the areas. The three remaining indicators, specific to the geographic area, are: valuation of housing authorized by building permits, initial claims for unemployment insurance, and average weekly hours in manufacturing.

At the national level, the Gross National Product is an acceptable measure of general levels of economic activity, but no reliable monthly measure of the dollar value of goods and services produced at the state level exists. The measure chosen to assess the performance of the local economy in each respective area is nonagricultural wage and salary employment. It is very important to note that, unlike the national composite index which foreshadows only business cycle turning points, these indexes also anticipate seasonal fluctuations. However, the amount of seasonal variability in the indicator has been reduced by computing a six-month moving average.

A chart comparing the relationship of the Ohio composite index to employment is shown below. In addition, a brief narrative, data, and charts on each of the components for every area will be included.



An econometric approach to determining the weight of each component was employed. The weights chosen maximize the out-of-sample ability of the index to detect changes in economic activity. It should be noted that these weights, unlike those in some other methods, are dynamic; that is, they change slowly over time as new least-squares projections are made each month. Each of the MSA and Ohio moving average composite indicators is indexed on the 1979 average employment level in the respective area.

You can receive the *Leading Indicators*, free of charge, by completing the information below, detaching (or copying), and returning to:

Ohio Bureau of Employment Services
LMI Division
Attn: Statistical Services
145 South Front Street
Columbus, OH 43215

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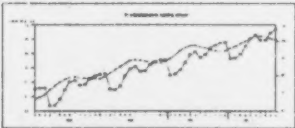


**Ohio
Labor
Market
Information**

**Leading
Indicators**

January 1989

The Ohio composite leading indicator index rose 0.4% in May to 104.12, forecasting continued gains in employment through the summer and into the fall. The national index rose with the greater monthly gain experienced during the current recovery, led by a continued recovery pattern in the value of housing starts at a monthly high. The April index was revised downward to 104.75.



The leading indicator indexes for Ohio and the eight large metropolitan areas are designed to anticipate changes in the local economy based on changes in the five component indexes. At the national level, the Gross National Product is an accurate measure of general levels of economic activity, but no reliable measure of the dollar value of goods and services produced at the state level exists. The statistical division to select the best the most accurate in each metropolitan area is performing in metropolitan wage and salary employment. It is very important to note that, under the national composite index which forecasts only in terms of the leading parts. These indexes also anticipate seasonal fluctuations. (Source: the Bureau of Economic Analysis in the U.S. Census Bureau, by computing a 50-month moving average.)

Ohio Bureau of Employment Services
Publicity / Contact / Service / 145 South Front Street / Columbus, OH 43215

Name: _____

Organization: _____

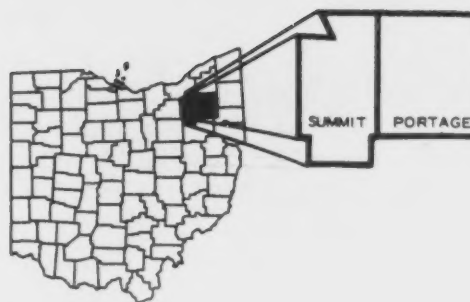
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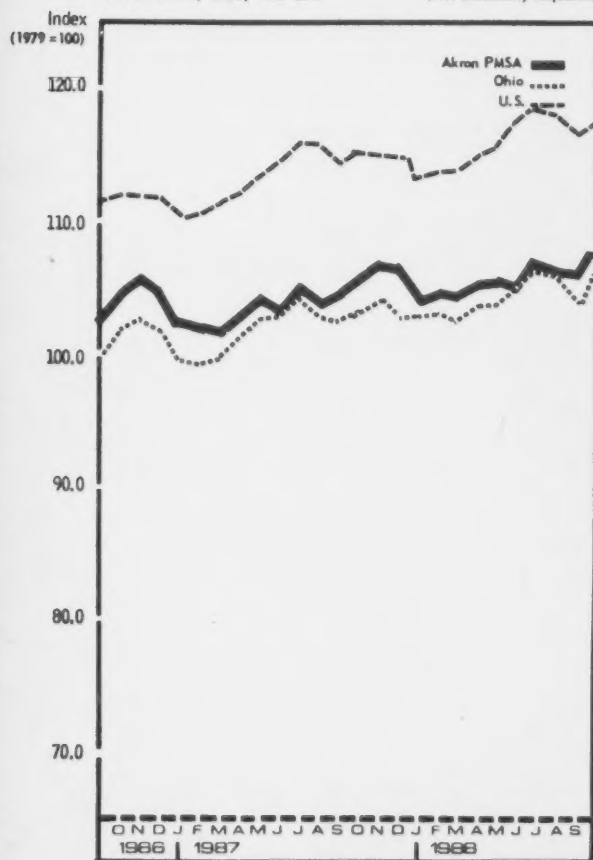
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



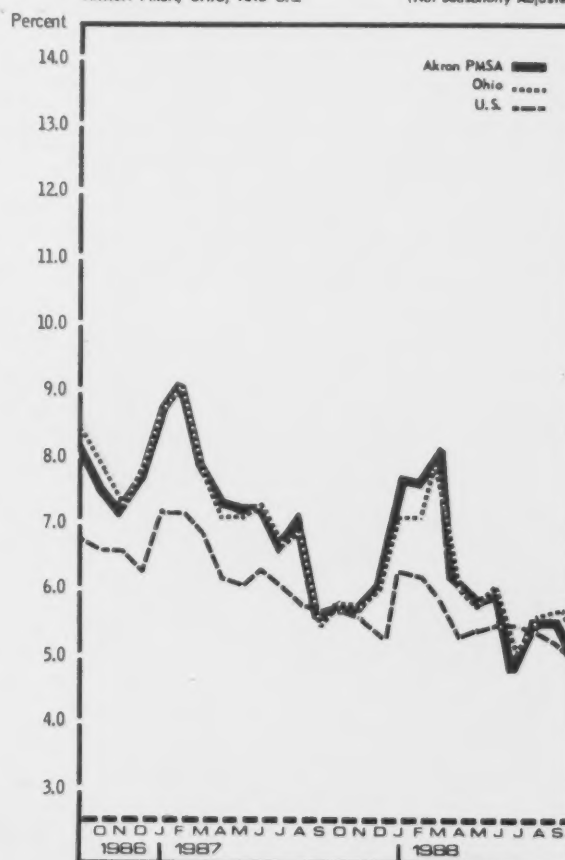
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 280,100 in November 1988, increasing 4,000 from October. The hiring of temporary election workers helped raise nonmanufacturing employment 2,600. Seasonal increases in retail trade nearly offset declines in services and construction. Manufacturing industries added 1,500 workers over the month, to 67,800, due to the settlement of a labor-management dispute in transportation equipment. Factory production workers averaged \$11.60 per hour, up \$.18 from October. Their average workweek was unchanged at 42.8 hours.

Total nonfarm payroll employment advanced 8,600 between November 1987 and November 1988. Primary growth sectors were services, local government, and retail trade. Manufacturing employment increased 600 over the year. Growth in nonelectrical machinery and miscellaneous plastics products outweighed reductions in fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

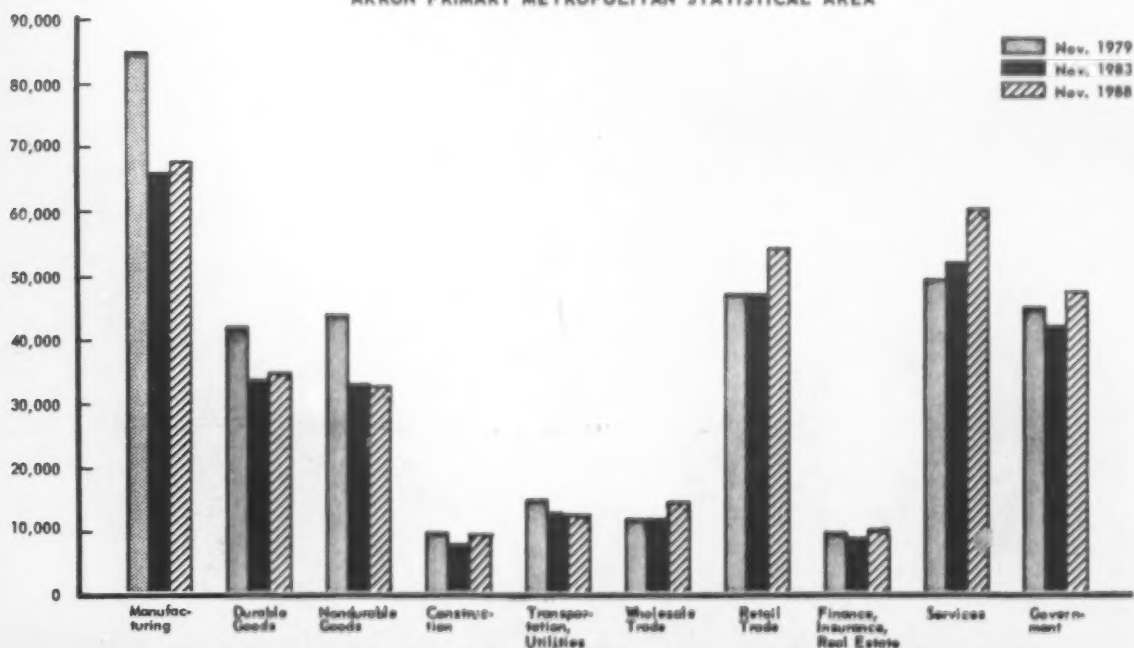


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total Rate				Hours and Earnings						
				Average Weekly Earnings Average Weekly Hours Average Hourly Earnings						
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	\$285.53	42.3	\$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.3	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	266.8	66.5	36.2	487.03	43.1	11.30
				1987						
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
321.4	303.7	17.7	5.5	September	275.9	66.3	36.3	489.89	43.2	11.34
324.3	308.0	16.3	5.0	October	276.1	66.3	36.4	488.78	42.8	11.42
INA	INA	INA	INA	November	280.1	67.8	37.9	496.48	42.8	11.60

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	280.1	276.1	271.6	4.0	8.6
MANUFACTURING	67.8	66.3	67.1	1.5	.6
Durable Goods ^e	34.9	33.6	34.9	1.3	.1
Fabricated metal products	11.3	11.3	12.0	.0	-.7
Machinery, except electrical	10.3	10.2	9.5	.0	.8
Metalworking machinery	3.6	3.6	3.3	.0	.3
Nondurable Goods ^f	32.8	32.7	32.3	.2	.6
Food and kindred products	3.0	2.9	3.0	.0	-.1
Chemicals and allied products	2.9	2.9	3.1	.0	-.2
Rubber and misc. plastics products	21.3	21.1	20.7	.1	.5
Tires and inner tubes	12.7	12.7	12.6	.0	.0
NONMANUFACTURING^g	212.4	209.8	204.4	2.6	8.0
CONSTRUCTION	10.3	10.6	9.6	-.3	.7
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.1	13.1	.1	.1
Communication, electric, gas services ..	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.8	14.8	14.0	.1	.8
RETAIL TRADE	54.4	53.8	53.2	.6	1.2
General merchandise stores	7.0	6.3	6.9	.6	.0
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	-.1	.2
Banking	3.2	3.2	3.1	-.1	.0
SERVICES	60.6	61.0	58.6	-.4	2.1
Business services	12.0	12.1	11.5	-.2	.5
Amusement and recreation services	3.0	3.2	3.1	-.2	.0
Health services	20.7	20.7	19.7	.1	1.0
GOVERNMENT	47.6	45.1	44.7	2.6	2.9
State government	17.4	17.3	16.7	.1	.7
State government education ^h	14.5	14.4	13.8	.1	.8
State government, except education ...	2.9	2.9	2.9	.0	.0
Local government	27.8	25.4	25.7	2.4	2.1
Local government education	15.2	14.7	14.7	.5	.5
Local government, except education ...	12.6	10.7	11.1	1.9	1.5

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers^a

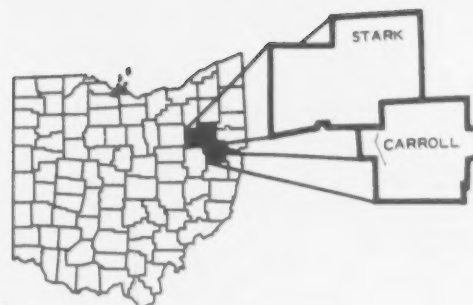
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$496.48	\$488.78	\$484.44	42.8	42.8	43.1	\$11.60	\$11.42	\$11.24
Durable Goods ^e	508.46	501.93	495.36	42.8	42.9	43.0	11.88	11.70	11.52
Fabricated metal products	636.83	639.17	585.59	43.0	43.1	42.9	14.81	14.83	13.65
Machinery, except electrical	459.78	467.74	455.17	44.9	45.5	44.8	10.24	10.28	10.16
Metalworking machinery	483.96	483.80	501.96	45.4	45.3	47.0	10.66	10.68	10.68
Nondurable Goods ^f	478.93	471.84	466.99	42.8	42.7	43.2	11.19	11.05	10.81
Food and kindred products	454.92	447.32	468.50	42.2	42.2	43.5	10.78	10.60	10.77
Chemicals and allied products	507.91	503.16	517.28	41.7	42.0	43.8	12.18	11.98	11.81
Rubber and misc. plastics products	494.31	491.48	482.45	43.9	44.0	44.1	11.26	11.17	10.94
Tires and inner tubes	766.08	765.60	731.43	48.0	48.0	47.9	15.96	15.95	15.27
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	587.23	585.81	567.69	41.5	41.4	40.9	14.15	14.15	13.88
WHOLESALE TRADE	353.87	345.14	334.15	36.9	36.6	37.8	9.59	9.43	8.84
RETAIL TRADE ^h	204.38	202.54	198.67	32.7	32.2	32.2	6.25	6.29	6.17

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	1,997	2,313	2,262
Active File of Job Seekers	15,441	15,316	17,533
Referrals to Jobs	928	1,358	937
Placements	180	471	185
Job Openings Received	443	522	417
Job Openings Unfilled	960	1,094	1,117
Unemployment Insurance Program			
Initial Claims	3,414	2,282	3,315
Continued Claims	19,877	14,339	21,116
First Payments	1,359	939	1,039
Last Payments	273	293	376
Weeks Compensated	13,815	11,416	15,138
Benefits Paid	\$2,028,225	\$1,682,646	\$2,251,949
Average Weekly Payment	\$152.18	\$152.04	\$152.84

CANTON METROPOLITAN STATISTICAL AREA



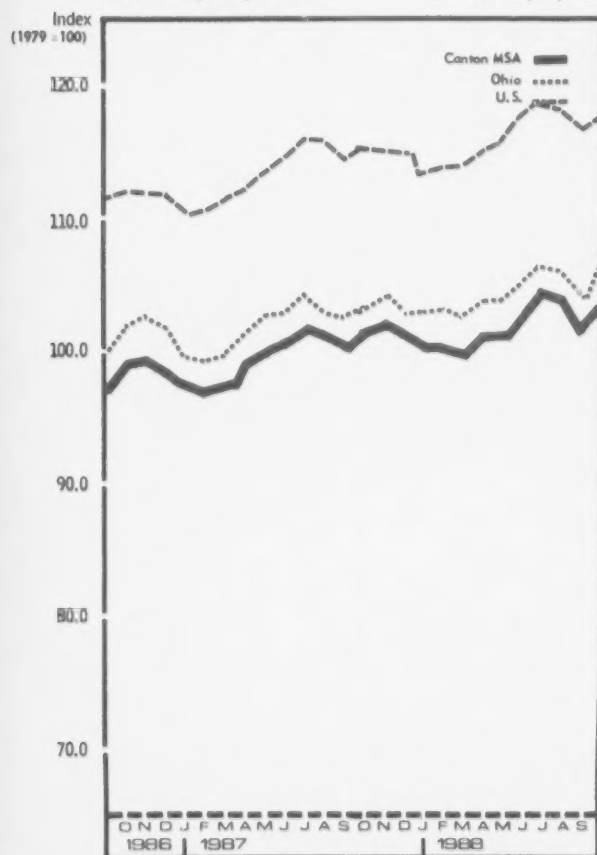
Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, total nonfarm payroll employment rose 1,400 from October, to 164,200 in November 1988. The improvement occurred in the nonmanufacturing sector due to the hiring of temporary election workers and seasonal growth in retail trade. Manufacturing employment was unchanged from last month at 44,000. Factory production worker average hourly earnings, at \$11.47, dropped fractionally from October. Their average workweek of 42.8 hours was .1 hours shorter.

Nonagricultural wage and salary employment advanced 5,500 between November 1987 and November 1988. A major portion of the growth occurred in local government, services, and construction. The manufacturing workforce increased 200 over the year. Modest improvement in primary metal industries and scattered gains in nondurable goods more than offset a decline in fabricated metal products.

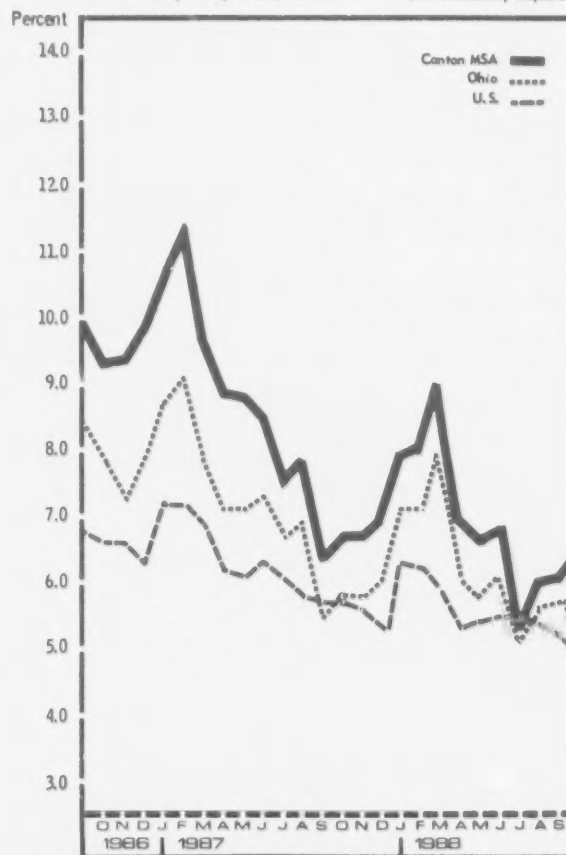
INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

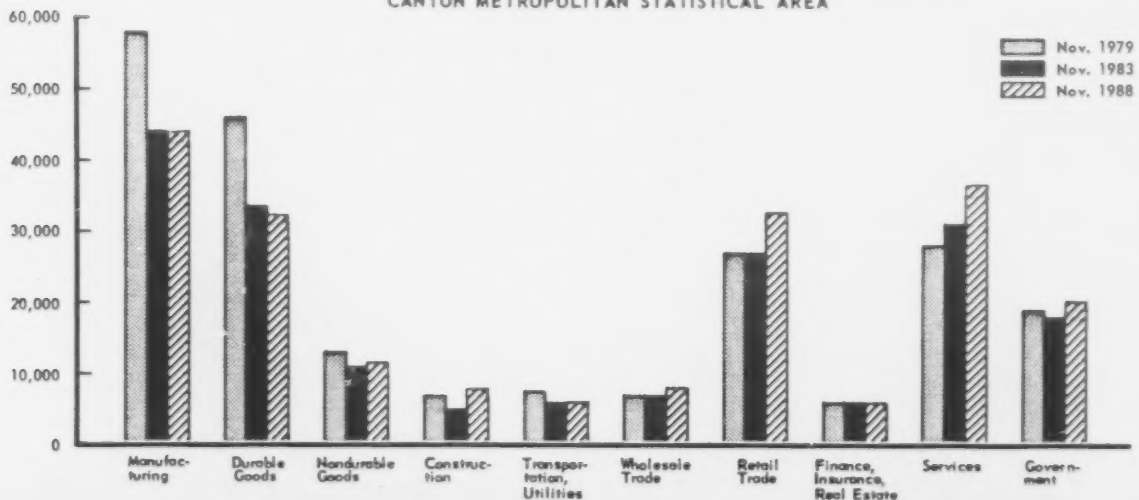


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	\$273.14	39.7	\$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
1987										
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
1988										
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	161.6	43.8	31.2	487.34	42.6	11.44
189.7	179.4	10.3	5.4	October	162.8	44.0	31.3	493.78	42.9	11.51
INA	INA	INA	INA	November	164.2	44.0	31.2	490.92	42.8	11.47

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	164.2	162.8	158.7	1.4	5.5
MANUFACTURING	44.0	44.0	43.8	.0	.2
Durable Goods ^e	32.2	32.2	32.2	.1	.1
Primary metal industries	10.9	10.8	10.6	.0	.3
Fabricated metal products	6.3	6.3	6.5	.0	.2
Metal forgings and stampings	2.1	2.0	2.2	.0	.1
Nondurable Goods ^f	11.9	11.8	11.5	.1	.3
Food and kindred products	3.4	3.3	3.3	.1	.0
Rubber and misc. plastics products	3.1	3.1	3.1	.0	.0
NONMANUFACTURING^g	120.2	118.8	114.9	1.4	5.2
CONSTRUCTION	8.0	8.2	7.0	.2	1.0
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.1	5.8	.1	.5
Communication, electric, gas services ..	2.8	2.8	2.6	.0	.3
WHOLESALE TRADE	8.2	8.3	8.2	.0	.0
Wholesale trade-durable goods	4.6	4.6	4.6	.1	.0
RETAIL TRADE	33.0	32.3	32.1	.6	.9
General merchandise stores	4.5	4.1	4.4	.4	.1
Food stores	5.4	5.3	5.2	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.5	.0	.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	36.9	37.3	35.6	.4	1.3
Health services	15.6	15.6	15.1	.0	.4
GOVERNMENT	20.5	19.1	18.8	1.3	1.6
State government (includes education) ..	1.7	1.7	1.7	.0	.0
Local government	17.3	16.0	15.7	1.3	1.5
Local government education	9.4	9.3	9.2	.1	.2
Local government, except education ...	7.9	6.7	6.5	1.1	1.3

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$490.92	\$493.78	\$475.73	42.8	42.9	42.1	\$11.47	\$11.51	\$11.30
Durable Goods ^e	523.53	523.41	494.28	43.7	43.8	42.5	11.98	11.95	11.63
Primary metal industries	595.01	589.23	558.12	45.7	45.5	43.4	13.02	12.95	12.86
Fabricated metal products	487.63	498.58	451.50	42.7	44.2	42.0	11.42	11.28	10.75
Metal forgings and stampings	558.90	562.38	627.94	40.5	41.2	42.2	13.80	13.65	14.88
Nondurable Goods ^f	394.36	405.02	415.95	40.2	40.3	40.7	9.81	10.05	10.22
Food and kindred products	400.28	398.43	430.94	38.6	38.2	40.2	10.37	10.43	10.72
Rubber and misc. plastics products	400.05	404.01	433.84	41.2	41.1	41.2	9.71	9.83	10.53
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	566.30	569.74	563.33	40.8	40.9	41.3	13.88	13.93	13.64
WHOLESALE TRADE	382.23	386.15	389.78	37.4	37.6	38.9	10.22	10.27	10.02
RETAIL TRADE ^h	162.03	159.26	156.02	29.3	28.8	29.0	5.53	5.53	5.38

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Employment Service Program

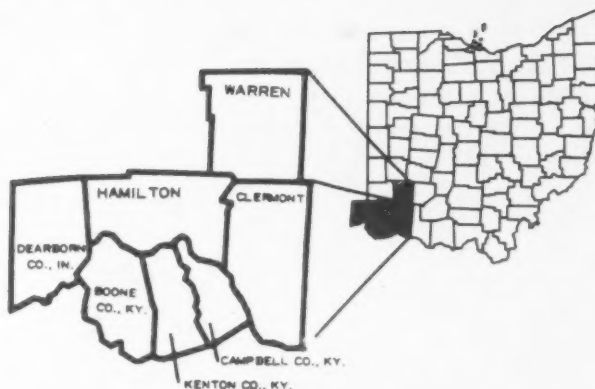
New Applicants	1,604	1,542	1,202
Active File of Job Seekers	12,182	12,259	10,895
Referrals to Jobs	823	1,025	950
Placements	271	266	153
Job Openings Received	581	614	452
Job Openings Unfilled	1,955	2,249	600

Unemployment Insurance Program

Initial Claims	1,780	1,534	2,424
Continued Claims	10,741	8,576	13,221
First Payments	756	573	646
Last Payments	154	165	169
Weeks Compensated	7,739	6,744	8,871
Benefits Paid	\$1,074,472	\$934,564	\$1,205,218
Average Weekly Payment	\$143.34	\$143.74	\$142.84

	November 1988	October 1988	November 1987
1,604	1,542	1,202	
12,182	12,259	10,895	
823	1,025	950	
271	266	153	
581	614	452	
1,955	2,249	600	
1,780	1,534	2,424	
10,741	8,576	13,221	
756	573	646	
154	165	169	
7,739	6,744	8,871	
\$1,074,472	\$934,564	\$1,205,218	
\$143.34	\$143.74	\$142.84	

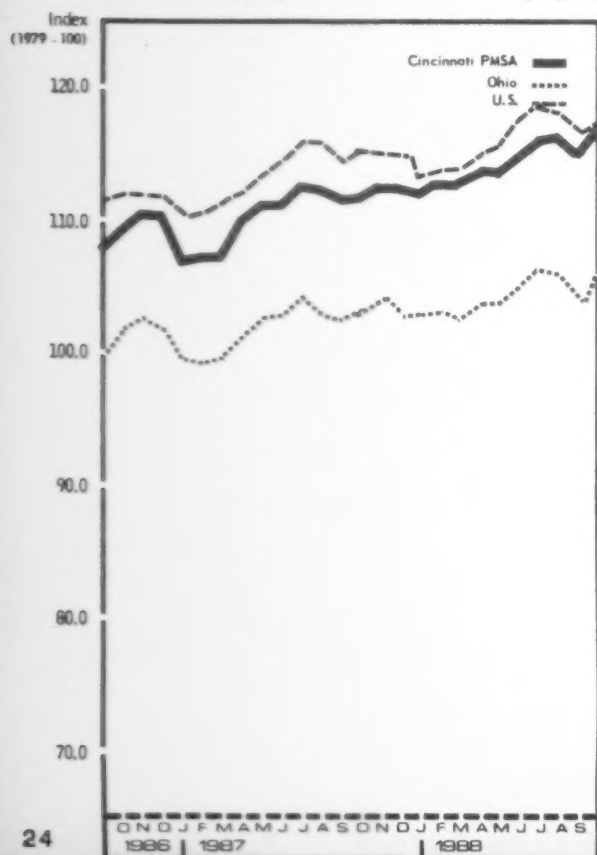
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



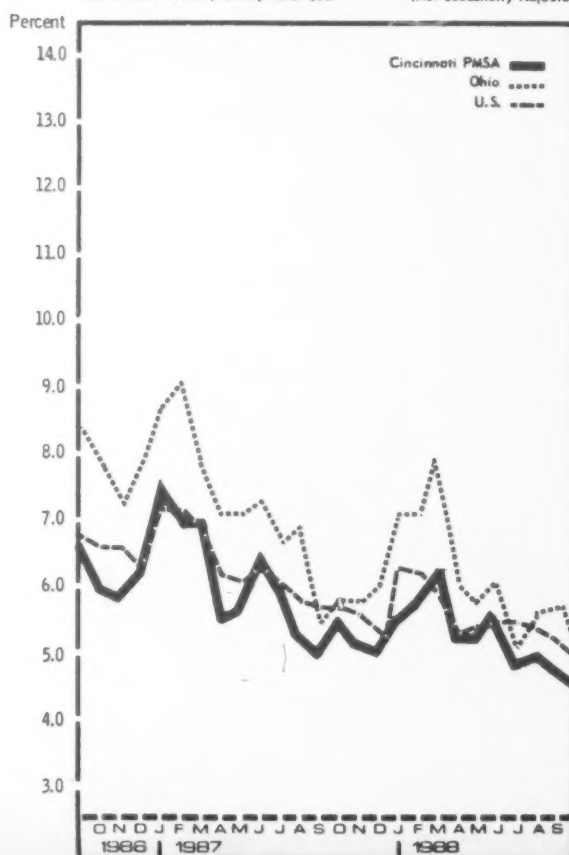
Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 718,900 in November 1988, increasing 7,500 above the October level. Nonmanufacturing employment rose 6,700 due to the hiring of temporary election workers and seasonal increases in retail trade. Employment in services and construction declined. The manufacturing workforce added 900 jobs over the month, to 145,700. Modest gains occurred in nonelectrical machinery and rubber and miscellaneous plastics products. Factory production worker average hourly earnings rose slightly from October, to \$11.29. Their average workweek of 43.2 hours was .2 hours longer.

Total nonfarm wage and salary employment advanced 25,800 between November 1987 and November 1988. The improvement was concentrated in the nonmanufacturing sector. Significant expansion occurred in services, retail trade, and local government. Noteworthy gains were also recorded in construction and transportation and public utilities. Manufacturing employment increased 300 over the year. Modest growth occurred in food and kindred products and nonelectrical machinery, while employment in transportation equipment and chemicals and allied products declined.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

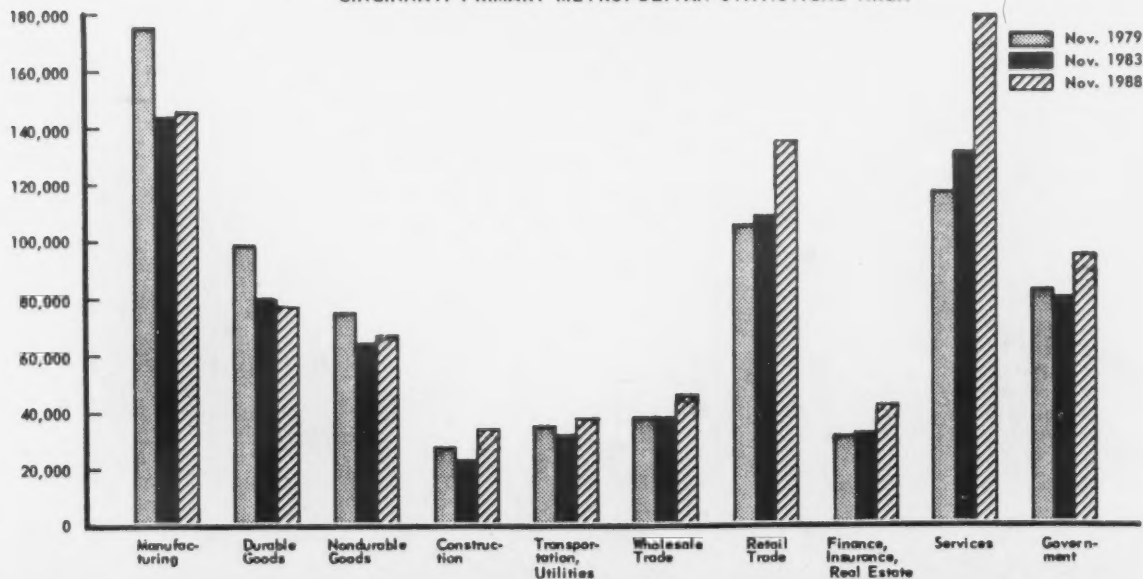


CINCINNATI MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
Total					Hours and Earnings					
Rate					Average Weekly Earnings					
					Average Weekly Hours					
					Average Hourly Earnings					
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	\$260.83	41.6	\$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
751.5	709.9	41.6	5.5	1987 October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	1987 November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	1987 December	694.9	145.6	93.4	488.17	43.9	11.12
747.1	706.0	41.1	5.5	1988 January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	1988 February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	1988 March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	1988 April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	1988 May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	1988 June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	1988 July	700.3	143.7	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	1988 August	703.6	144.8	92.3	476.15	42.4	11.23
758.0	722.0	36.0	4.7	1988 September	710.6	145.4	93.0	483.75	43.0	11.25
767.4	733.0	34.5	4.5	1988 October	711.4	144.9	92.2	484.18	43.0	11.26
INA	INA	INA	INA	1988 November	718.9	145.7	92.9	487.73	43.2	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	718.9	711.4	693.1	7.5	25.8
MANUFACTURING	145.7	144.9	145.4	.9	.3
Durable Goods ^e	77.7	77.2	77.8	.6	-.1
Fabricated metal products	10.2	10.0	10.3	.1	-.2
Fabricated structural metal products ..	3.8	3.8	4.1	.1	-.3
Machinery, except electrical	21.0	20.7	20.7	.2	.3
Metalworking machinery	8.1	8.0	8.1	.0	-.1
General industrial machinery	3.1	3.0	3.0	.0	.1
Electric and electronic equipment	7.7	7.7	7.5	.0	.2
Transportation equipment	24.3	24.3	25.4	.1	-1.1
Motor vehicles and equipment	5.1	5.0	5.2	.2	-.1
Nondurable Goods ^f	68.0	67.7	67.6	.3	.4
Food and kindred products	14.0	14.1	13.3	.0	.8
Beverages	3.7	3.8	3.4	.0	.3
Apparel and other textile products	3.9	3.8	4.1	.1	-.2
Paper and allied products	6.0	6.0	6.1	.0	-.1
Printing and publishing	13.5	13.4	13.3	.1	.2
Commercial printing	5.9	5.9	5.8	.1	.1
Chemicals and allied products	22.2 ^j	22.3 ^j	22.6	-.1	-.5
Rubber and misc. plastics products	6.0	5.8	6.0	.2	.0
NONMANUFACTURING^g	573.2	566.5	547.7	6.7	25.5
CONSTRUCTION	34.9	35.6	32.3	-.6	2.6
TRANSPORTATION AND PUBLIC UTILITIES	38.0	38.1	36.1	.0	2.0
Trucking and warehousing	11.2	11.2	10.1	.0	1.0
Communication, electric, gas services ..	15.0	15.1	15.0	.0	.0
WHOLESALE TRADE	46.4	46.3	44.8	.2	1.7
Wholesale trade-durable goods	27.6	27.5	26.3	.1	1.3
RETAIL TRADE	135.7	133.5	130.5	2.2	5.3
General merchandise stores	18.9	18.1	19.2	.9	-.2
FINANCE, INSURANCE, AND REAL ESTATE	42.8	42.6	41.1	.2	1.7
Banking	9.4	9.3	8.9	.1	.5
Insurance carriers	14.3	14.3	14.0	.0	.3
SERVICES	179.1	180.2	172.8	-1.2	6.3
Hotels and other lodging places	6.8	6.9	6.5	-.1	.3
Personal services	8.9	8.9	8.5	.0	.4
Business services	45.8	45.6	41.7	.1	4.1
Amusement and recreation services	5.3	6.8	7.4	-1.5	-2.1
Health services	55.3	55.4	53.5	.0	1.9
Hospitals	26.2	26.2	25.5	.0	.7
GOVERNMENT	95.5	89.7	89.7	5.8	5.8
Federal government	15.4	15.4	14.9	.0	.5
State government	20.4	20.1	20.2	.3	.1
State government education ^h	12.6	12.3	12.5	.3	.1
State government, except education ...	7.8	7.8	7.7	.0	.0
Local government	59.7	54.2	54.5	5.5	5.2
Local government education	31.4	30.8	31.9	.6	-.4
Local government, except education ...	28.3	23.4	22.6	4.9	5.7

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$487.73	\$484.18	\$477.17	43.2	43.0	43.3	\$11.29	\$11.26	\$11.02
Durable Goods ^e	492.31	483.23	474.80	43.8	43.3	43.4	11.24	11.16	10.94
Fabricated metal products	447.11	436.60	421.28	44.4	43.4	42.9	10.07	10.06	9.82
Fabricated structural metal products ..	497.10	492.97	427.17	45.9	45.9	43.5	10.83	10.74	9.82
Machinery, except electrical	445.82	441.01	430.14	43.2	42.9	42.8	10.32	10.28	10.05
Metalworking machinery	491.06	492.83	480.31	44.2	44.2	43.0	11.11	11.15	11.17
General industrial machinery	423.24	408.66	457.24	43.1	41.7	46.8	9.82	9.80	9.77
Electric and electronic equipment	360.05	355.77	360.80	40.5	40.2	41.0	8.89	8.85	8.80
Transportation equipment	744.98	715.18	709.72	47.3	46.2	46.6	15.75	15.48	15.23
Motor vehicles and equipment	873.15	853.29	784.40	50.5	49.9	47.8	17.29	17.10	16.41
Non-durable Goods ^f	483.08	485.07	479.95	42.6	42.7	43.2	11.34	11.36	11.11
Food and kindred products	507.18	524.35	538.44	42.8	44.1	45.4	11.85	11.89	11.86
Beverages	500.09	504.23	519.57	40.2	40.5	41.4	12.44	12.45	12.55
Apparel and other textile products	241.20	237.34	223.00	40.0	39.1	39.4	6.03	6.07	5.66
Paper and allied products	446.61	443.99	438.46	43.7	43.7	44.2	10.22	10.16	9.92
Printing and publishing	444.04	451.09	462.58	39.4	39.5	40.9	11.27	11.42	11.31
Commercial printing	467.41	487.05	476.30	41.4	42.5	42.3	11.29	11.46	11.26
Chemicals and allied products	580.26	572.76	560.72	43.4	43.0	43.5	13.37	13.32	12.89
Rubber and misc. plastics products	445.50	443.68	409.85	46.6	47.1	44.5	9.56	9.42	9.21
TRANSPORTATION AND PUBLIC UTILITIES	573.46	575.87	555.41	40.7	40.9	40.6	14.09	14.08	13.68
Communication, electric, gas services ..	573.46	575.87	555.41	40.7	40.9	40.6	14.09	14.08	13.68
WHOLESALE TRADE	415.74	420.85	393.05	41.0	41.3	41.2	10.14	10.19	9.54
RETAIL TRADE ^h	167.90	167.91	164.40	28.7	29.0	29.2	5.85	5.79	5.63
FINANCE, INSURANCE, AND REAL ESTATE	260.45	262.95	259.95	....	....	....	....	....	....
Banking	260.45	262.95	259.95	....	....	....	....	....	....

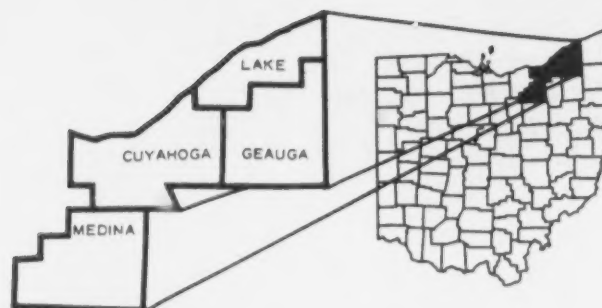
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	2,854	3,402	3,505
Active File of Job Seekers	20,117	20,459	21,010
Referrals to Jobs	1,758	2,389	2,333
Placements	377	760	956
Job Openings Received	1,000	1,394	1,163
Job Openings Unfilled	2,794	2,990	3,222
Unemployment Insurance Program			
Initial Claims	3,860	3,279	5,105
Continued Claims	29,853	23,768	37,324
First Payments	2,022	1,379	1,568
Last Payments	540	416	358
Weeks Compensated	20,724	18,163	27,130
Benefits Paid	\$3,071,802	\$2,704,086	\$4,333,086
Average Weekly Payment	\$151.31	\$151.49	\$162.88

^aOhio data only

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA

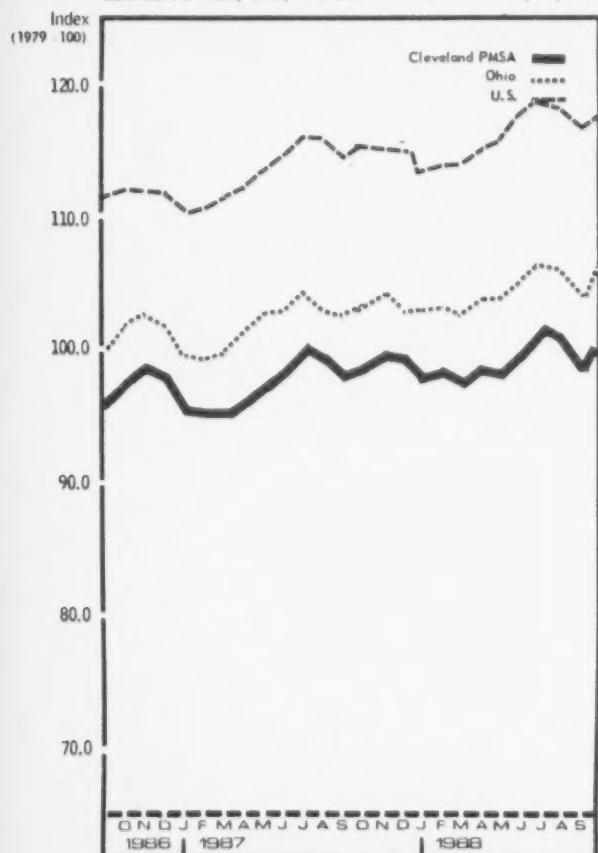


Total nonfarm payroll employment in the Cleveland metropolitan area rose 8,300 above the October level, to 933,000 in November 1988. Nonmanufacturing employment increased 7,600. The hiring of temporary election workers and more business in retail trade overshadowed reductions in services and construction. Scattered gains in durable-goods industries, especially fabricated metal products, increased manufacturing employment 700, to 206,000. Factory production workers averaged \$12.01 per hour, up \$.08 from October. Their average workweek of 44.0 hours was .6 hours longer.

Nonagricultural wage and salary employment advanced 24,500 between November 1987 and November 1988. Expansion in nonmanufacturing industries accounted for most of the gain. Significant growth occurred in services, retail trade, local government, and finance, insurance, and real estate. Manufacturing employment rose 2,700 over the year. Moderate gains were recorded in nonelectrical machinery, fabricated metal products, and chemicals and allied products.

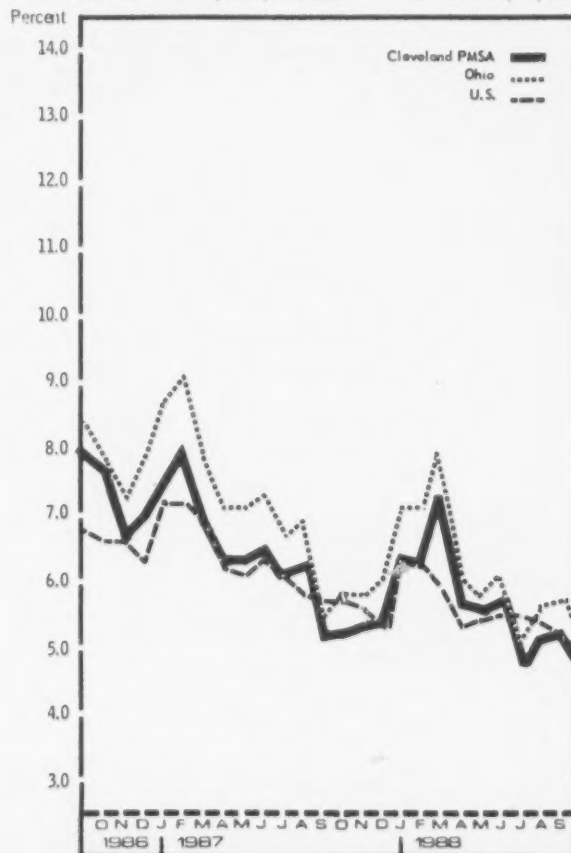
INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

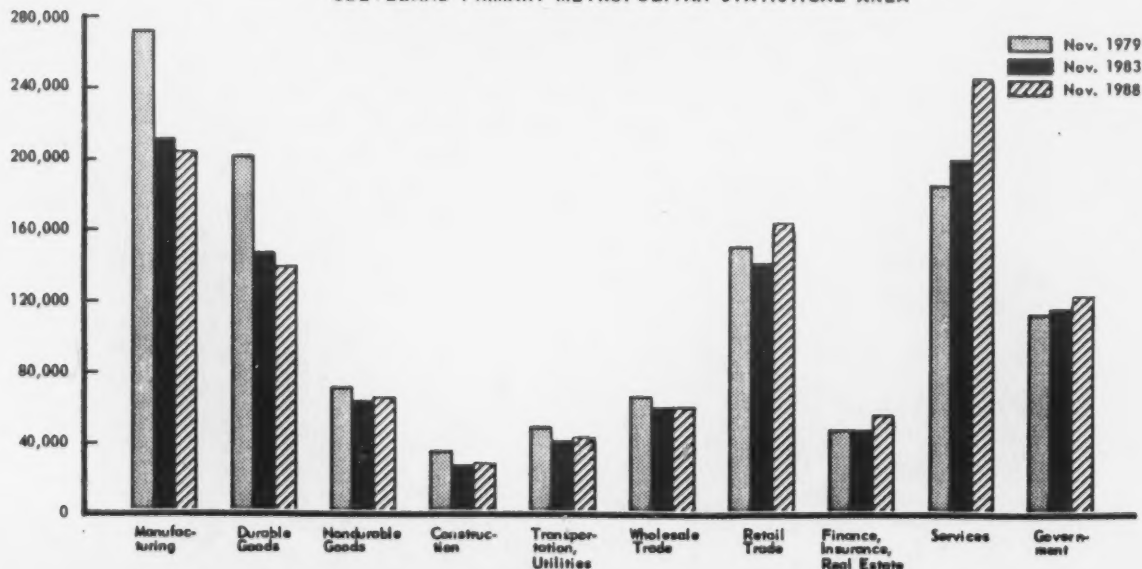


CLEVELAND PNSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed				Manufacturing Production Workers				
		Total	Rate				Hours and Earnings			
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	\$292.75	42.8	\$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
1987										
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
1988										
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
943.7	895.4	48.3	5.1	August	914.8	202.4	129.7	503.43	42.7	11.79
922.0	874.3	47.7	5.2	September	918.9	204.3	131.6	514.51	43.2	11.91
936.7	891.9	44.8	4.8	October	924.6	205.3	132.5	517.76	43.4	11.93
INA	INA	INA	INA	November	933.0	206.0	133.4	528.44	44.0	12.01

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	933.0	924.6	908.5	8.3	24.5
MANUFACTURING	206.0	205.3	203.3	.7	2.7
Durable Goods ^e	140.3	139.5	138.2	.8	2.1
Primary metal industries	21.3	21.1	21.1	.1	.2
Iron and steel foundries	5.1	5.0	5.2	.1	.2
Fabricated metal products	33.5	33.1	33.1	.5	.5
Fabricated structural metal products ..	4.3	4.3	4.3	.0	.1
Screw machine products, bolts, etc. ..	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	11.8	11.5	11.6	.3	.2
Machinery, except electrical	29.9	29.9	29.2	.1	.7
Construction and related machinery ...	2.6	2.6	2.6	.0	.0
Metalworking machinery	9.8	9.8	9.6	.0	.2
Special industry machinery	2.7	2.7	2.8	.0	.1
General industrial machinery	3.2	3.2	3.0	.0	.1
Electric and electronic equipment	18.2	18.2	18.0	.0	.2
Electrical industrial apparatus	6.5	6.5	6.1	.0	.4
Transportation equipment	19.7	19.6	19.4	.1	.3
Motor vehicles and equipment	12.6	12.6	12.2	.0	.4
Instruments and related products	6.3	6.3	6.6	.0	.3
Measuring and controlling devices	4.1	4.1	4.3	.0	.2
Nondurable Goods ^f	65.7	65.8	65.1	-.1	.6
Food and kindred products	7.0	7.0	7.1	.0	.1
Apparel and other textile products	4.1	4.0	3.8	.1	.3
Paper and allied products	5.6	5.7	5.7	-.1	.1
Printing and publishing	16.1	16.0	16.3	.1	.1
Chemicals and allied products	15.3	15.3	14.8	.0	.5
Rubber and misc. plastics products	12.5	12.6	12.4	-.1	.1
NONMANUFACTURING^g	727.0	719.4	705.1	7.6	21.8
CONSTRUCTION	31.2	31.9	30.5	-.8	.7
TRANSPORTATION AND PUBLIC UTILITIES	41.7	41.6	41.5	.1	.2
Trucking and warehousing	12.7	12.6	12.3	.1	.4
Communication, electric, gas services ..	17.5	17.5	17.7	.0	.2
WHOLESALE TRADE	61.8	61.7	60.8	.2	1.1
Wholesale trade-durable goods	42.3	42.2	41.9	.1	.4
RETAIL TRADE	164.7	162.4	159.2	2.4	5.5
General merchandise stores	23.1	21.6	22.4	1.5	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.3	57.4	55.1	.0	2.3
Banking	13.5	13.6	13.4	-.1	.1
Credit agencies other than banks	8.7	8.7	8.7	.0	.0
Insurance carriers	14.6	14.6	13.8	.0	.9
SERVICES	245.7	247.1	238.2	1.4	7.6
Business services	57.3	57.5	54.4	.2	2.9
Amusement and recreation services	7.2	8.0	7.3	-.8	.1
Health services	76.9	77.2	75.8	.3	1.1
Hospitals	42.2	42.6	42.9	-.4	.7
GOVERNMENT	123.4	116.2	118.8	7.2	4.6
Federal government	20.5	20.5	20.5	.0	.1
State government	8.2	8.2	8.1	.0	.1
State government education ^h	3.2	3.2	3.1	.0	.1
State government, except education ...	5.0	5.0	5.0	.0	.0
Local government	94.7	87.4	90.2	7.2	4.5
Local government education	44.8	43.9	46.6	.8	1.9
Local government, except education ...	49.9	43.5	43.6	6.4	6.3

Hours & Earnings of Production or Nonsupervisory Workers^a

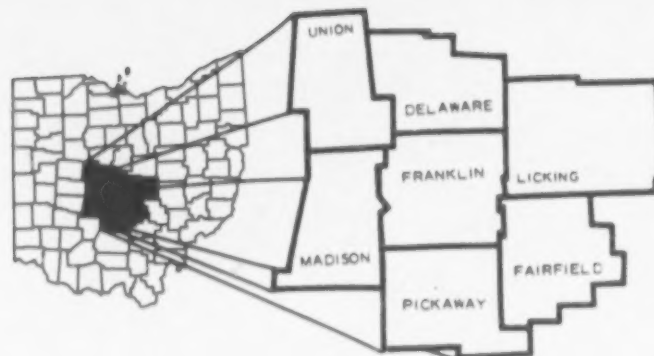
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$528.44	\$517.76	\$510.71	44.0	43.4	43.8	\$12.01	\$11.93	\$11.66
Durable Goods ^d	568.62	557.95	549.58	45.2	44.6	44.9	12.58	12.51	12.24
Primary metal industries	595.30	604.63	605.83	46.8	47.2	47.0	12.72	12.81	12.89
Iron and steel foundries	905.73	917.16	862.00	51.2	50.7	50.0	17.69	18.09	17.24
Fabricated metal products	572.77	551.98	543.79	45.1	44.3	44.5	12.70	12.46	12.22
Fabricated structural metal products ..	411.42	417.21	423.00	41.5	42.1	42.3	9.89	9.91	10.00
Screw machine products, bolts, etc. ..	564.98	550.34	535.93	46.5	45.9	48.5	12.15	11.99	11.05
Metal forgings and stampings	743.51	698.07	672.04	48.5	46.6	45.5	15.33	14.98	14.77
Machinery, except electrical	537.68	533.82	519.20	44.4	44.3	44.3	12.11	12.05	11.72
Construction and related machinery ...	395.08	393.27	440.33	42.3	42.7	47.5	9.34	9.21	9.27
Metalworking machinery	486.78	485.64	447.68	42.7	42.6	41.8	11.40	11.40	10.71
Special industry machinery	473.39	476.52	497.27	41.2	41.8	40.2	11.49	11.40	12.37
General industrial machinery	533.92	527.98	525.55	47.0	46.6	45.7	11.36	11.33	11.50
Electric and electronic equipment	463.68	452.86	453.69	42.5	41.7	42.6	10.91	10.86	10.65
Electrical industrial apparatus	519.92	522.82	510.85	44.4	44.8	43.7	11.71	11.67	11.69
Transportation equipment	763.20	745.99	732.73	48.0	46.8	47.0	15.90	15.94	15.59
Motor vehicles and equipment	846.95	824.76	800.85	48.9	47.4	47.5	17.32	17.40	16.86
Instruments and related products	409.19	399.59	409.78	41.5	40.9	41.9	9.86	9.77	9.78
Measuring and controlling devices	453.26	439.52	406.00	42.6	41.7	40.0	10.64	10.54	10.15
Nondurable Goods^f	430.32	424.09	419.38	41.1	40.7	41.4	10.47	10.42	10.13
Food and kindred products	427.23	425.21	359.86	41.6	42.1	40.8	10.27	10.10	8.82
Apparel and other textile products	330.85	324.04	326.63	39.2	38.9	38.7	8.44	8.33	8.44
Paper and allied products	491.34	469.99	472.92	42.8	41.3	42.0	11.48	11.38	11.26
Printing and publishing	402.13	405.90	429.87	37.2	36.8	40.1	10.81	11.03	10.72
Chemicals and allied products	527.02	507.61	507.03	43.7	42.8	42.5	12.06	11.86	11.93
Rubber and misc. plastics products	391.25	388.14	384.42	42.9	42.7	43.0	9.12	9.09	8.94
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	612.54	600.06	589.12	41.5	41.1	41.4	14.76	14.60	14.23
WHOLESALE TRADE	430.80	425.32	402.73	40.0	39.2	39.1	10.77	10.85	10.30
RETAIL TRADE^h	187.60	186.20	174.25	28.0	28.0	27.1	6.70	6.65	6.43
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	296.76	300.29	295.31	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	346.48	344.12	341.46	31.7	31.6	31.5	10.93	10.89	10.84

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	4,297	4,447	4,605
Active File of Job Seekers	54,051	53,102	58,206
Referrals to Jobs	1,859	2,021	2,020
Placements	359	403	385
Job Openings Received	942	1,231	1,005
Job Openings Unfilled	3,582	4,160	2,573
Unemployment Insurance Program			
Initial Claims	7,125	5,544	10,220
Continued Claims	46,202	38,295	52,927
First Payments	3,022	2,616	2,316
Last Payments	842	826	841
Weeks Compensated	33,530	31,265	37,626
Benefits Paid	\$5,103,578	\$4,740,768	\$5,474,694
Average Weekly Payment	\$155.74	\$154.58	\$148.63

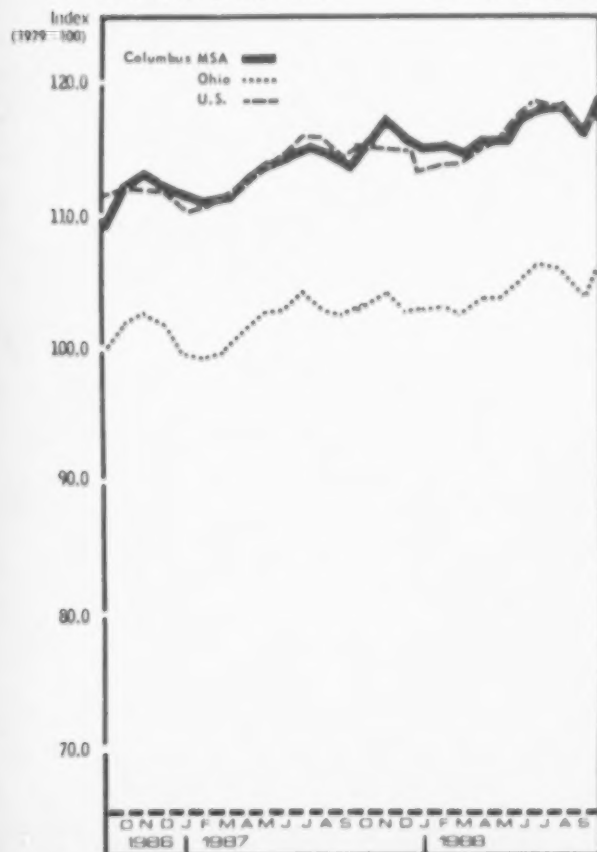
COLUMBUS METROPOLITAN STATISTICAL AREA



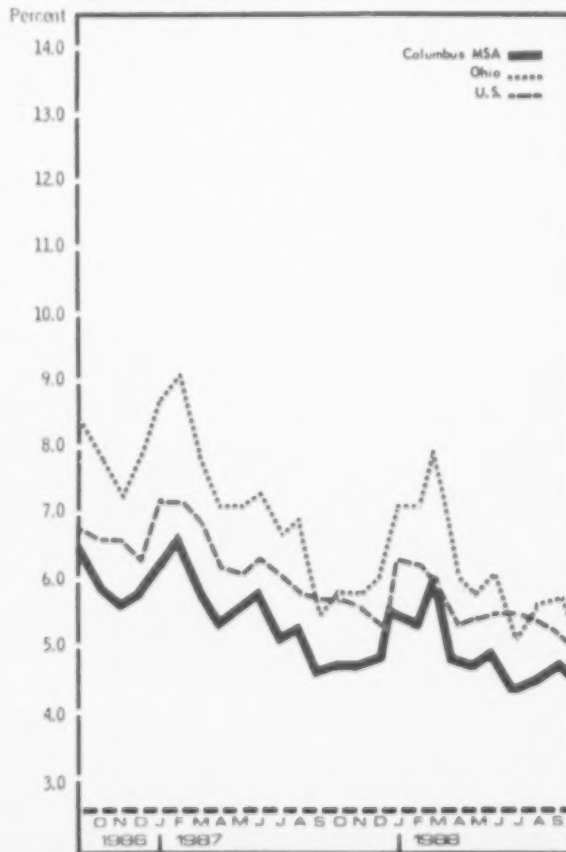
In the Columbus metropolitan area, total nonfarm payroll employment increased 8,900 from October, to 703,500 in November 1983. The hiring of temporary election workers and more business in retail trade advanced nonmanufacturing employment 8,400. The manufacturing workforce added 500 jobs, to 104,600. Modest gains occurred in stone, clay, and glass products and rubber and miscellaneous plastics products. Factory production worker average hourly earnings dropped slightly from October, to \$11.64. Their average workweek was unchanged at 41.7 hours.

Nonagricultural wage and salary employment advanced 29,300 between November 1987 and November 1988. Primary growth sectors were services, local government, and retail trade. Noteworthy expansion also occurred in construction, wholesale trade, and finance, insurance, and real estate. Manufacturing employment increased 2,000 over the year. Modest improvements were noted in transportation equipment, rubber and miscellaneous plastics products, fabricated metal products, and printing and publishing. Employment in stone, clay, and glass products declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



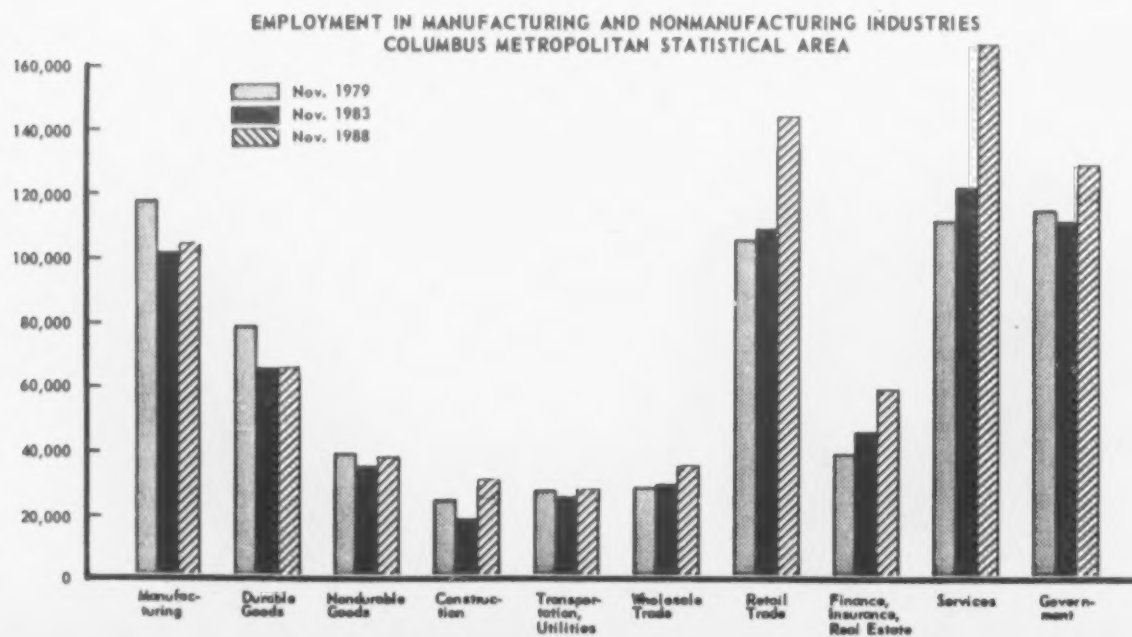
UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total				Hours and Earnings						
Rate				Average Weekly Earnings						
				Average Weekly Hours						
				Average Hourly Earnings						
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
714.3	682.1	32.2	4.5	August	680.0	103.2	67.3	471.65	40.8	11.56
701.7	669.0	32.7	4.7	September	686.7	104.2	67.9	481.48	41.4	11.63
718.6	686.4	32.2	4.5	October	694.7	104.2	67.8	486.22	41.7	11.66
INA	INA	INA	INA	November	703.5	104.6	68.0	485.39	41.7	11.64

INA - information not available



Columbus MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	703.5	694.7	674.2	8.9	29.3
MANUFACTURING	104.6	104.2	102.7	.5	2.0
Durable Goods ^e	66.1	65.8	64.9	.4	1.2
Stone, clay, and glass products	10.2	10.0	10.5	.2	.3
Glass and glassware, pressed or blown	3.8	3.7	3.9	.1	.1
Fabricated metal products	9.8	9.7	9.5	.1	.3
Fabricated structural metal products	2.9	3.0	2.9	.0	.0
Machinery, except electrical	9.2	9.2	9.2	.1	.0
Electric and electronic equipment	10.9	11.0	10.9	.0	.0
Transportation equipment	13.6	13.5	12.8	.1	.7
Instruments and related products	4.1	4.1	4.0	.0	.1
Nondurable Goods ^f	38.5	38.4	37.7	.1	.8
Food and kindred products	10.6	10.7	10.4	.1	.2
Printing and publishing	10.6	10.6	10.4	.0	.3
Chemicals and allied products	6.7	6.7	6.7	.0	.1
Rubber and misc. plastics products	5.9	5.8	5.4	.2	.6
NONMANUFACTURING^g	598.9	590.5	571.6	8.4	27.3
CONSTRUCTION	31.4	32.2	29.2	.8	2.3
TRANSPORTATION AND PUBLIC UTILITIES	29.4	29.3	28.7	.1	.7
Trucking and warehousing	12.5	12.4	12.1	.1	.4
Communication, electric, gas services ..	11.7	11.7	11.7	.0	.0
WHOLESALE TRADE	36.4	36.2	34.7	.2	1.7
Wholesale trade-durable goods	23.4	23.3	22.5	.1	.9
RETAIL TRADE	144.4	141.8	139.0	2.6	5.4
General merchandise stores	23.6	22.9	24.3	.7	.7
FINANCE, INSURANCE, AND REAL ESTATE	59.7	59.7	58.2	.1	1.5
Banking	12.2	12.2	11.8	.0	.3
Insurance carriers	23.6	23.5	23.0	.0	.6
SERVICES	166.8	166.5	158.7	.3	8.1
Business services	39.3	39.4	36.5	.1	2.8
Health services	41.9	41.7	40.4	.2	1.6
Hospitals	18.6	18.4	17.8	.2	.7
GOVERNMENT	129.7	123.7	122.1	6.0	7.6
Federal government	14.9	14.9	15.6	.0	.7
State government	55.7	55.0	54.3	.7	1.4
State government education ^h	24.4	23.7	23.9	.7	.4
State government, except education ...	31.4	31.3	30.4	.0	.9
Local government	59.1	53.9	52.2	5.3	7.0
Local government education	33.3	33.1	31.7	.2	1.6
Local government, except education ...	25.8	20.8	20.5	5.0	5.3

Hours & Earnings of Production or Nonsupervisory Workers^a

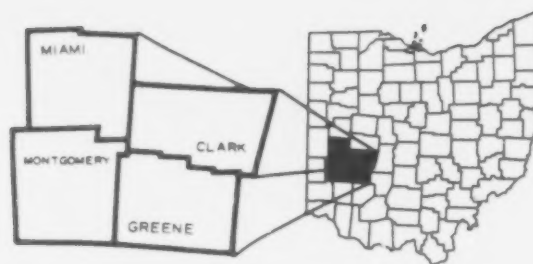
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$485.39	\$486.22	\$484.76	41.7	41.7	42.3	\$11.64	\$11.66	\$11.46
Durable Goods ^e	487.28	493.73	494.81	41.4	41.7	42.4	11.77	11.84	11.67
Stone, clay, and glass products	483.21	472.18	475.69	41.8	40.6	41.4	11.56	11.63	11.49
Glass and glassware, pressed or blown	441.25	444.69	432.95	41.2	40.5	40.2	10.71	10.98	10.77
Fabricated metal products	535.50	515.42	533.68	42.5	41.3	42.9	12.60	12.48	12.44
Fabricated structural metal products	468.44	480.22	493.94	41.9	42.8	44.7	11.18	11.22	11.05
Machinery, except electrical	445.78	444.03	445.42	41.2	41.0	42.1	10.82	10.83	10.58
Electric and electronic equipment	451.04	451.67	455.53	40.2	40.4	40.6	11.22	11.18	11.22
Transportation equipment	575.04	623.82	650.53	41.7	44.4	46.7	13.79	14.05	13.93
Instruments and related products	412.72	410.12	413.66	38.5	38.8	40.2	10.72	10.57	10.29
Nondurable Goods ^f	481.37	471.92	463.68	42.3	41.8	42.0	11.38	11.29	11.04
Food and kindred products	459.43	441.38	453.18	42.5	41.6	41.5	10.81	10.61	10.92
Printing and publishing	572.06	556.38	541.63	40.4	39.6	40.3	14.16	14.05	13.44
Chemicals and allied products	590.11	570.88	561.15	43.2	42.1	43.5	13.66	13.56	12.90
Rubber and misc. plastics products	364.66	392.49	360.80	42.6	44.5	42.8	8.56	8.82	8.43
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	591.42	579.96	567.59	41.3	40.9	40.6	14.32	14.18	13.98
WHOLESALE TRADE	352.88	361.75	352.30	37.5	37.8	37.8	9.41	9.57	9.32
RETAIL TRADE ^h	188.86	183.97	175.80	29.1	28.7	28.4	6.49	6.41	6.19
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	269.58	268.06	254.93	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	350.48	349.18	335.80	33.7	34.1	34.3	10.40	10.24	9.79

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	4,576	4,478	5,057
Active File of Job Seekers	28,286	27,265	31,241
Referrals to Jobs	2,005	2,549	2,407
Placements	634	813	615
Job Openings Received	1,106	1,271	1,245
Job Openings Unfilled	1,943	2,191	2,925
Unemployment Insurance Program			
Initial Claims	4,760	4,160	5,221
Continued Claims	34,731	26,011	37,017
First Payments	2,529	1,912	1,859
Last Payments	500	449	636
Weeks Compensated	25,377	19,613	26,632
Benefits Paid	\$3,979,109	\$3,052,003	\$4,179,103
Average Weekly Payment	\$161.21	\$158.97	\$160.51

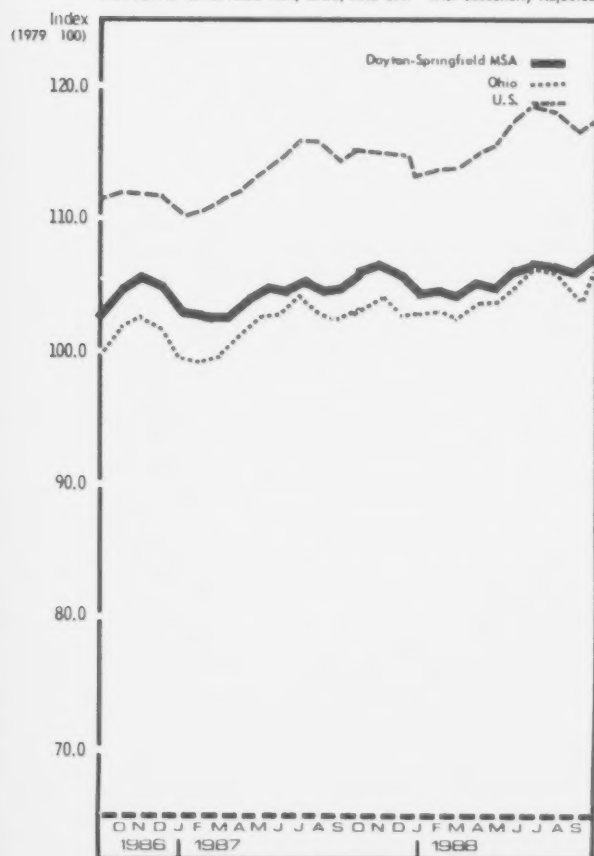
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



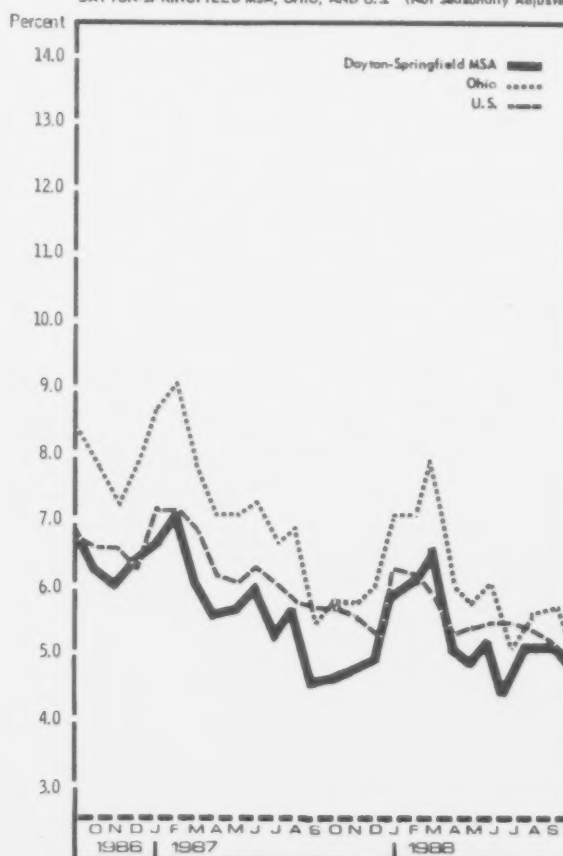
Total nonfarm payroll employment in the Dayton-Springfield metropolitan area rose 5,500 from October, to 451,400 in November 1988. Nonmanufacturing employment increased 5,200 due to the hiring of temporary election workers and seasonal increases in retail trade. Improvements in nonelectrical machinery, transportation equipment, and food and kindred products increased manufacturing employment 300, to 103,700. Factory production workers averaged \$13.04 per hour, up \$.09 from October. Their average workweek was .3 hours longer at 44.6 hours.

Nonagricultural wage and salary employment advanced 14,900 between November 1987 and November 1988. The expansion was concentrated in the nonmanufacturing sector. Significant growth occurred in services, local government, retail trade, and construction. The manufacturing workforce increased 100 during the period with modest improvement in nonelectrical machinery. Employment declined in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

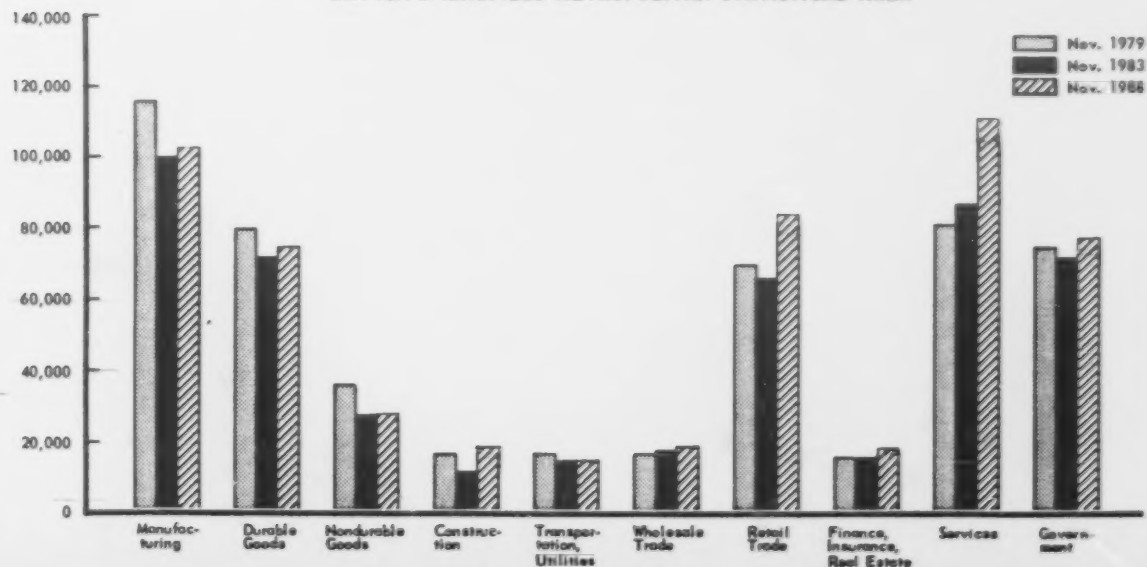


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed				Manufacturing Employment		Manufacturing Production Workers			
	Total	Unemployed					Hours and Earnings			
		Rate	Average Weekly Earnings				Average Weekly Hours	Average Hourly Earnings		
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
1987										
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
1988										
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	433.7	103.4	66.0	525.34	42.4	12.39
468.2	444.5	23.8	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
465.3	441.4	23.9	5.1	September	443.8	104.0	66.9	552.41	43.6	12.67
471.8	449.1	22.7	4.8	October	445.9	103.4	66.5	573.69	44.3	12.95
INA	INA	INA	INA	November	451.4	103.7	66.8	581.58	44.6	13.04

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	451.4	445.9	436.6	5.5	14.9
MANUFACTURING	103.7	103.4	103.6	.3	.1
Durable Goods ^e	74.9	74.7	74.5	.2	.5
Fabricated metal products	8.2	8.2	8.3	.0	-.1
Machinery, except electrical	31.1	30.9	30.3	.2	.8
Metalworking machinery	6.6	6.5	6.6	.1	.0
General industrial machinery	2.9	2.9	2.7	.0	.1
Electric and electronic equipment	5.5	5.6	5.8	.0	-.2
Electrical industrial apparatus	3.3	3.4	3.4	.0	-.1
Transportation equipment	20.2	20.2	20.7	.1	-.5
Non-durable Goods ^f	28.8	28.7	29.1	.1	-.3
Food and kindred products	2.9	2.7	2.8	.1	.0
Paper and allied products	6.0	6.0	6.0	.0	.0
Printing and publishing	8.6	8.6	8.7	.0	-.1
Rubber and misc. plastics products	7.7	7.8	8.0	.0	-.2
NONMANUFACTURING^g	347.7	342.5	333.0	5.2	14.7
CONSTRUCTION	19.7	20.2	17.7	-.5	2.0
TRANSPORTATION AND PUBLIC UTILITIES	15.9	15.9	15.6	.0	.4
Communication, electric, gas services ..	5.1	5.1	5.4	-.1	-.3
WHOLESALE TRADE	19.6	19.5	18.8	.1	.8
Wholesale trade-durable goods	12.8	12.8	12.4	.0	.4
RETAIL TRADE	84.3	82.8	80.8	1.5	3.4
General merchandise stores	13.0	12.3	13.0	.7	.0
FINANCE, INSURANCE, AND REAL ESTATE	18.4	18.4	17.9	.0	.4
Banking	4.2	4.2	4.3	.0	-.1
Credit agencies other than banks	4.7	4.7	4.8	.0	.0
Insurance carriers	2.7	2.7	2.8	.0	-.1
SERVICES	111.6	111.6	107.3	.0	4.4
Business services	28.3	28.2	26.6	.1	1.7
Health services	36.9	37.0	36.0	.0	.9
Hospitals	18.7	18.8	18.5	.0	.2
Educational services	9.0	8.8	8.7	.1	.3
GOVERNMENT	77.9	73.7	74.5	4.1	3.3
Federal government	28.0	27.8	28.6	.2	-.6
State government	7.6	6.9	7.3	.6	.3
State government education ^h	4.7	4.0	4.4	.6	.2
State government, except education ...	2.9	2.9	2.9	.0	.0
Local government	42.3	39.0	38.7	3.3	3.7
Local government education	24.2	24.0	24.1	.3	.1
Local government, except education ...	18.1	15.1	14.5	3.0	3.5

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

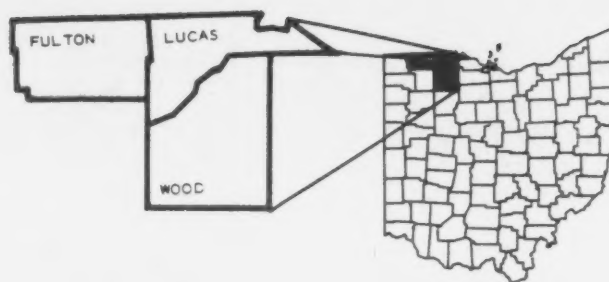
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$581.58	\$573.69	\$512.83	44.6	44.3	42.7	\$13.04	\$12.95	\$12.01
Durable Goods ^e	598.45	589.57	517.65	45.2	44.8	42.5	13.24	13.16	12.18
Fabricated metal products	391.94	374.12	384.80	41.3	39.8	41.6	9.49	9.40	9.25
Machinery, except electrical	628.32	621.95	567.68	46.2	45.9	43.5	13.60	13.55	13.05
Metalworking machinery	595.48	589.00	554.58	47.6	47.5	46.1	12.51	12.40	12.03
General industrial machinery	506.41	478.66	440.91	44.5	43.2	41.4	11.38	11.08	10.65
Electric and electronic equipment	457.42	458.33	447.91	45.2	45.2	47.0	10.12	10.14	9.53
Electrical industrial apparatus	560.71	553.34	535.00	48.8	48.2	49.4	11.49	11.48	10.83
Transportation equipment	782.34	772.20	598.42	47.3	46.8	41.1	16.54	16.50	14.56
Nondurable Goods ^f	531.53	526.81	499.39	42.9	42.9	43.2	12.39	12.28	11.56
Food and kindred products	384.05	358.90	356.83	43.2	41.3	43.2	8.89	8.69	8.26
Paper and allied products	491.06	478.50	521.23	44.2	43.5	47.0	11.11	11.00	11.09
Printing and publishing	451.13	473.52	461.04	39.4	41.5	40.8	11.45	11.41	11.30
Rubber and misc. plastics products	736.92	733.22	621.11	44.5	44.6	42.6	16.56	16.44	14.58
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	565.73	552.67	548.63	40.7	40.4	40.4	13.90	13.68	13.58
WHOLESALE TRADE	404.40	405.56	431.60	40.0	39.8	41.5	10.11	10.19	10.40
RETAIL TRADE ^h	163.26	163.88	157.34	28.1	28.5	27.7	5.81	5.75	5.68
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	357.71	354.22	368.49	34.1	33.8	34.6	10.49	10.48	10.65

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. ^jExcludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^kDepressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	2,852	2,390	2,756
Active File of Job Seekers	11,787	11,147	19,290
Referrals to Jobs	1,518	1,922	1,251
Placements	374	479	463
Job Openings Received	677	1,205	561
Job Openings Unfilled	1,822	2,075	2,187
Unemployment Insurance Program			
Initial Claims	3,134	2,912	3,604
Continued Claims	20,362	16,913	21,025
First Payments	1,304	1,255	939
Last Payments	288	314	302
Weeks Compensated	14,910	13,639	15,398
Benefits Paid	\$2,094,336	\$1,975,205	\$2,104,245
Average Weekly Payment	\$143.67	\$147.49	\$139.62

TOLEDO METROPOLITAN STATISTICAL AREA

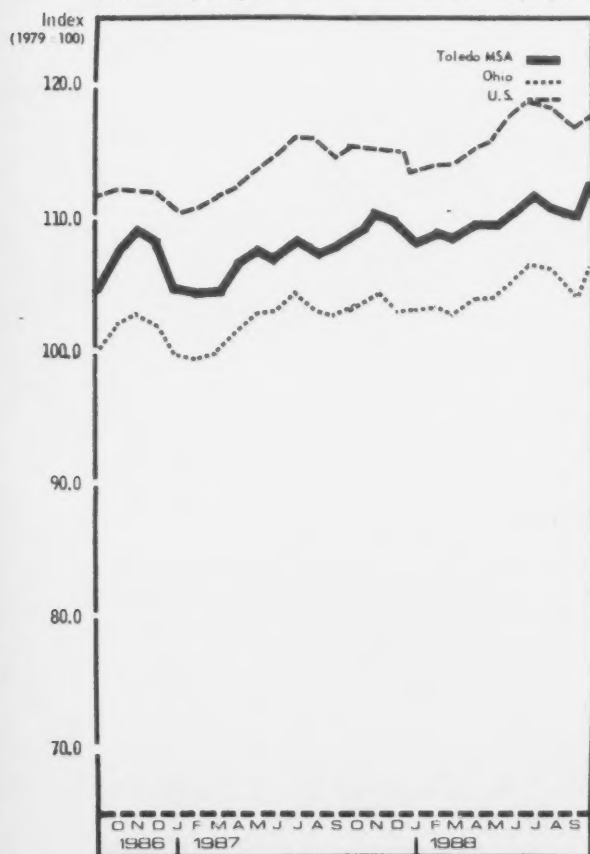


Nonagricultural wage and salary employment in the Toledo metropolitan area totaled 299,500 in November 1988, increasing 2,900 from the October level. The improvement occurred in the nonmanufacturing sector due to the hiring of temporary election workers and more business in retail trade. Although food and kindred products increased slightly, manufacturing employment declined 100, to 62,800. Reductions were noted in primary metal industries and rubber and miscellaneous plastics products. Factory production workers averaged \$13.49 per hour, up \$.30 from October. Their average workweek of 45.3 hours was .9 hours longer.

Total nonfarm payroll employment advanced 11,600 between November 1987 and November 1988. Significant expansion occurred in services, local government, retail trade, and construction. Manufacturing employment increased 400 over the year. Modest gains were registered in fabricated metal products, primary metal industries, nonelectrical machinery, and nondurable goods. Employment in transportation equipment and electric and electronic equipment declined.

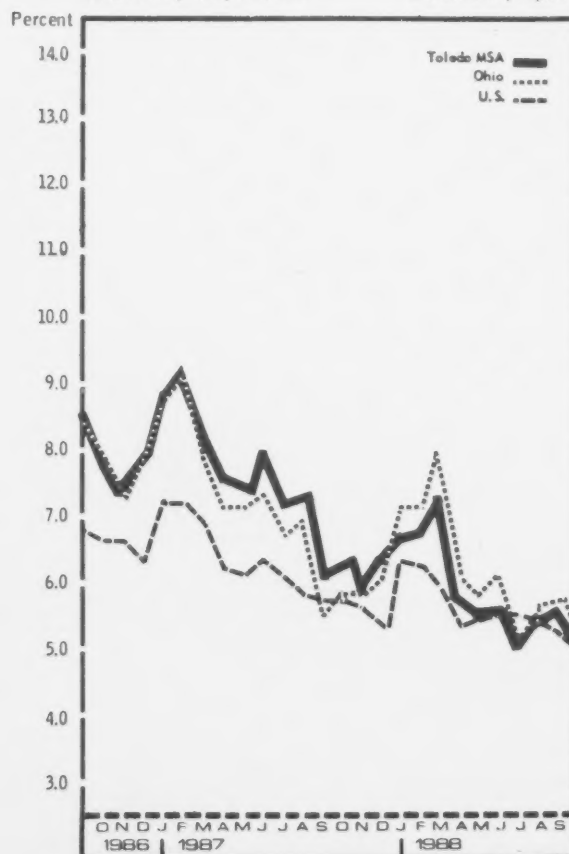
INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

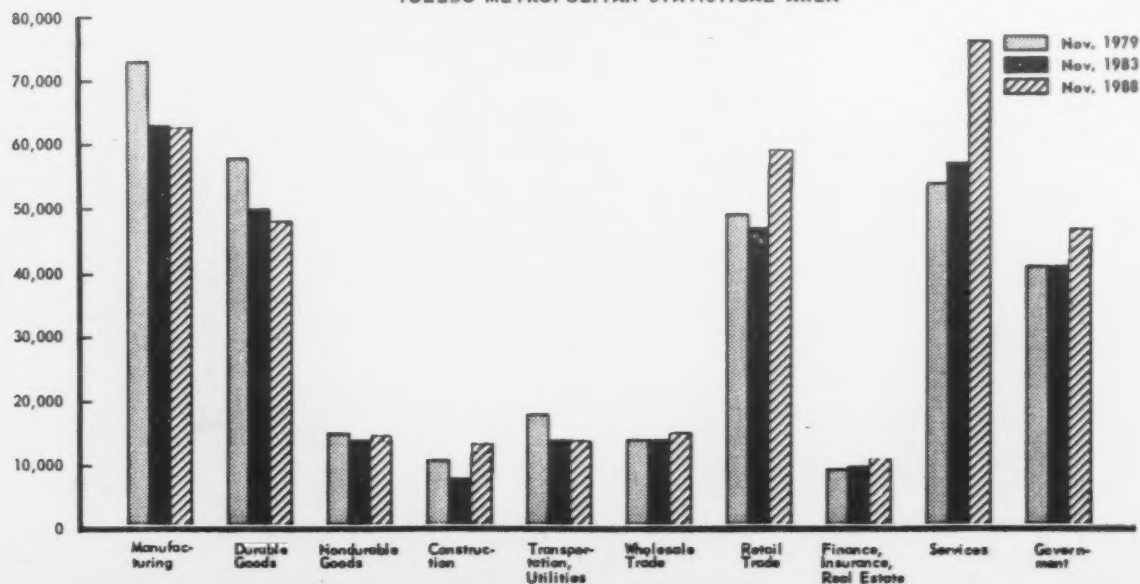


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total Rate				Hours and Earnings						
				Average Weekly Earnings Average Weekly Hours Average Hourly Earnings						
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
314.1	297.2	16.9	5.4	August	288.2	63.3	45.3	549.95	42.5	12.94
312.7	295.0	17.7	5.6	September	294.7	63.6	45.6	586.49	44.6	13.15
317.5	301.3	16.2	5.1	October	296.6	62.9	44.9	585.64	44.4	13.19
INA	INA	INA	INA	November	299.5	62.8	44.9	611.10	45.3	13.49

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	299.5	296.6	287.9	2.9	11.6
MANUFACTURING	62.8	62.9	62.4	- .1	.4
Durable Goods ^e	48.2	48.3	48.0	- .1	.2
Stone, clay, and glass products	8.2	8.2	8.2	.0	.0
Primary metal industries	3.6	3.6	3.4	- .1	.2
Fabricated metal products	7.9	7.9	7.5	.0	.4
Metal forgings and stampings	3.4	3.4	3.2	.0	.2
Machinery, except electrical	6.2	6.2	6.0	.0	.2
Electric and electronic equipment	2.1	2.1	2.4	.0	-.4
Transportation equipment	15.4	15.4	15.8	.0	-.5
Motor vehicles and equipment	14.4	14.4	14.9	.0	-.5
Nondurable Goods ^f	14.5	14.6	14.4	- .1	.2
Food and kindred products	3.9	3.7	3.8	.2	.1
Rubber and misc. plastics products	3.1	3.2	3.0	- .1	.1
NONMANUFACTURING^g	236.7	233.6	225.5	3.0	11.2
CONSTRUCTION	13.4	13.8	11.9	- .4	1.6
TRANSPORTATION AND PUBLIC UTILITIES	13.9	14.1	14.1	- .2	-.1
Trucking and warehousing	5.6	5.6	5.7	.0	.0
Communication, electric, gas services ..	5.0	5.0	5.0	.0	.0
WHOLESALE TRADE	15.2	15.3	14.9	- .1	.4
Wholesale trade-durable goods	10.1	10.1	9.8	.0	.3
RETAIL TRADE	59.4	57.9	56.6	1.5	2.7
General merchandise stores	8.5	8.0	8.2	.5	.4
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.4	11.5	.0	-.1
Banking	3.6	3.6	3.6	.0	.1
SERVICES	76.1	76.3	72.7	-.3	3.4
Business services	16.7	16.7	15.5	.0	1.2
Health services	27.7	27.7	27.2	.0	.4
Hospitals	15.2	15.3	15.3	.0	-.1
GOVERNMENT	47.0	44.5	43.6	2.5	3.4
State government	17.0	16.9	16.4	.1	.6
State government education ^h	12.8	12.8	12.4	.1	.5
State government, except education ...	4.2	4.1	4.0	.0	.1
Local government	27.4	25.0	24.6	2.4	2.8
Local government education	14.6	14.3	14.2	.3	.3
Local government, except education ...	12.8	10.7	10.4	2.1	2.4

Hours & Earnings of Production or Nonsupervisory Workers^a

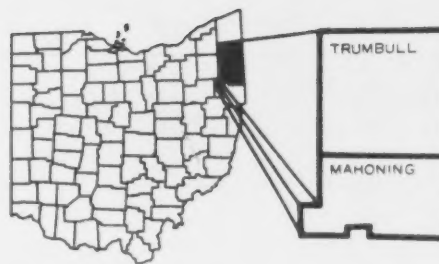
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$611.10	\$585.64	\$548.27	45.3	44.4	42.8	\$13.49	\$13.19	\$12.81
Durable Goods ^e	635.21	607.01	575.86	45.6	44.6	43.2	13.93	13.61	13.33
Stone, clay, and glass products	518.00	524.75	534.23	40.0	40.9	41.9	12.95	12.83	12.75
Primary metal industries	505.08	498.35	486.26	44.5	43.6	43.3	11.35	11.43	11.23
Fabricated metal products	537.43	534.45	566.80	44.6	44.5	44.7	12.05	12.01	12.68
Metal forgings and stampings	637.00	631.67	738.24	43.6	43.0	48.0	14.61	14.69	15.38
Machinery, except electrical	520.22	517.63	509.22	43.1	43.1	42.9	12.07	12.01	11.87
Electric and electronic equipment	586.24	572.74	503.42	45.8	45.6	41.4	12.80	12.56	12.16
Transportation equipment	869.97	795.05	680.55	50.2	47.1	43.1	17.33	16.88	15.79
Motor vehicles and equipment	880.49	803.34	684.43	50.4	47.2	43.1	17.47	17.02	15.88
Nondurable Goods ^f	521.40	504.01	458.71	44.0	43.3	41.4	11.85	11.64	11.08
Food and kindred products	681.86	589.63	498.54	48.6	44.5	41.1	14.03	13.25	12.13
Rubber and misc. plastics products	361.12	343.88	341.92	41.7	40.6	40.9	8.66	8.47	8.36
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	607.57	602.78	598.02	41.7	41.4	41.5	14.57	14.56	14.41
WHOLESALE TRADE	393.22	398.60	362.52	39.8	39.9	38.0	9.88	9.99	9.54
RETAIL TRADE ^h	160.46	159.61	160.13	28.2	28.1	28.8	5.69	5.68	5.56

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	2,089	2,449	1,966
Active File of Job Seekers	17,278	17,082	16,256
Referrals to Jobs	1,439	1,833	1,398
Placements	584	658	749
Job Openings Received	924	1,055	919
Job Openings Unfilled	1,838	1,764	1,114
Unemployment Insurance Program			
Initial Claims	3,015	2,847	3,452
Continued Claims	17,897	14,134	18,410
First Payments	1,131	1,039	771
Last Payments	214	202	353
Weeks Compensated	12,764	11,310	13,178
Benefits Paid	\$1,904,313	\$1,711,651	\$1,875,707
Average Weekly Payment	\$154.01	\$155.35	\$146.35

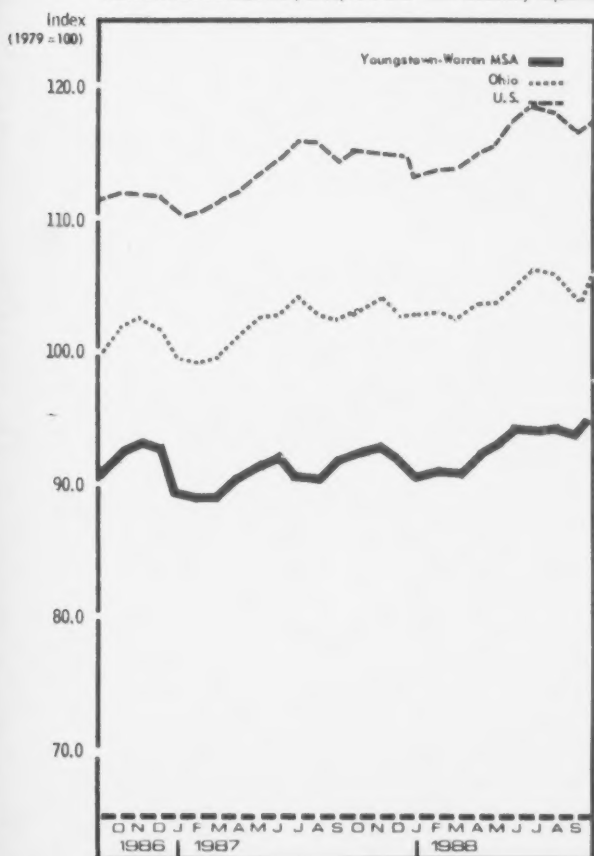
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



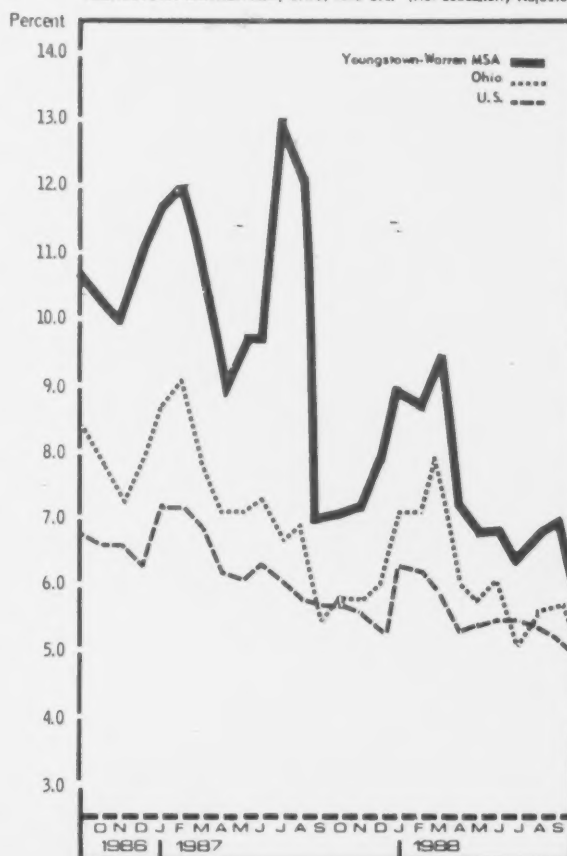
In the Youngstown-Warren metropolitan area, total nonfarm payroll employment rose 1,900 from October, to 200,600 in November 1988. Nonmanufacturing employment increased 1,600. The hiring of temporary election workers and more business in retail trade more than offset reductions in construction and services. Scattered improvements in durable-goods industries raised manufacturing employment 300, to 51,600. Factory production worker average hourly earnings, at \$13.66, increased fractionally from October. Their average workweek of 43.5 hours was .5 hours longer.

Nonagricultural wage and salary employment advanced 8,700 between November 1987 and November 1988. Primary growth sectors were retail trade, services, and local government. Noteworthy gains also occurred in wholesale trade and construction. The manufacturing workforce added 1,900 jobs over the year. Improvements were registered in nonelectrical machinery, primary metal industries, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
Total					Hours and Earnings					
Rate					Average Weekly Earnings					
					Average Weekly Hours					
					Average Hourly Earnings					
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	\$313.50	40.4	\$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
1987										
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	568.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
1988										
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	194.5	49.9	37.8	557.44	41.6	13.40
221.2	205.8	15.4	7.0	September	198.3	51.4	39.4	589.81	43.4	13.59
222.1	208.8	13.4	6.0	October	198.7	51.3	39.2	586.09	43.0	13.63
INA	INA	INA	INA	November	200.6	51.6	39.4	594.21	43.5	13.66

Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	November 1988 ^b	October 1988 ^c	November 1987 ^c	From Last Month	From Last Year
TOTAL	200.6	198.7	191.9	1.9	8.7
MANUFACTURING	51.6	51.3	49.7	.3	1.9
Durable Goods ^e	46.0	45.7	44.3	.3	1.7
Primary metal industries	19.3	19.2	18.9	.1	.3
Blast furnace and basic steel products	5.5	5.5	5.6	.0	.1
Fabricated metal products	7.7	7.7	7.4	.1	.3
Machinery, except electrical	3.9	3.8	3.2	.1	.7
Electric and electronic equipment	2.3	2.3	2.2	.0	.1
Transportation equipment	9.7	9.6	9.6	.1	.2
Nondurable Goods ^f	5.6	5.6	5.4	.0	.2
NONMANUFACTURING^g	149.0	147.4	142.1	1.6	6.8
CONSTRUCTION	8.8	9.3	8.0	.5	.8
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.9	7.6	.0	.3
Communication, electric, gas services ..	2.9	2.9	3.0	.0	.1
WHOLESALE TRADE	10.6	10.7	9.8	.1	.9
Wholesale trade-durable goods	6.5	6.5	6.1	.1	.3
RETAIL TRADE	41.6	41.1	39.5	.5	2.1
General merchandise stores	5.6	5.3	5.6	.4	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.3	8.2	.0	.1
Banking	2.8	2.8	2.8	.0	.0
SERVICES	45.3	45.8	43.9	.5	1.4
Health services	20.0	20.0	19.6	.0	.4
Hospitals	10.3	10.2	10.1	.0	.1
GOVERNMENT	25.8	23.6	24.5	2.2	1.3
State government	4.4	4.0	4.3	.4	.1
State government education ^h	2.9	2.6	2.8	.4	.1
State government, except education ...	1.5	1.5	1.5	.0	.0
Local government	19.3	17.4	18.1	1.8	1.2
Local government education	11.4	11.0	11.9	.4	.5
Local government, except education ...	7.8	6.4	6.2	1.4	1.7

Youngstown-Warren MSA

**Hours & Earnings
of Production or
Nonsupervisory
Workers^a**

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c	Nov. 1988 ^b	Oct. 1988 ^c	Nov. 1987 ^c
MANUFACTURING	\$594.21	\$586.09	\$566.89	43.5	43.0	42.4	\$13.66	\$13.63	\$13.37
Durable Goods ^e	610.57	601.34	581.40	43.8	43.2	42.5	13.94	13.92	13.68
Primary metal industries	668.12	662.06	632.10	44.1	43.7	43.0	15.15	15.15	14.70
Blast furnace and basic steel products	619.26	619.70	625.63	45.4	45.6	45.6	13.64	13.59	13.72
Fabricated metal products	598.08	588.67	520.76	44.5	43.8	40.4	13.44	13.44	12.89
Machinery, except electrical	495.22	496.67	468.94	43.1	43.4	42.4	11.49	11.49	11.06
Electric and electronic equipment	456.85	457.15	468.99	40.9	41.0	42.1	11.17	11.15	11.14
Transportation equipment	642.67	622.21	634.51	44.2	43.0	43.4	14.54	14.47	14.62
Nondurable Goods ^f	427.03	418.40	421.48	41.1	40.7	41.2	10.39	10.28	10.23
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	571.65	579.96	540.48	40.6	40.9	39.8	14.08	14.18	13.58
WHOLESALE TRADE	377.55	376.75	354.11	39.7	39.7	38.7	9.51	9.49	9.15
RETAIL TRADE ^h	177.83	174.89	170.21	29.2	29.1	28.8	6.09	6.01	5.91

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

	November 1988	October 1988	November 1987
Employment Service Program			
New Applicants	1,972	2,554	2,037
Active File of Job Seekers	16,831	17,285	16,160
Referrals to Jobs	1,171	1,884	2,017
Placements	389	627	526
Job Openings Received	545	1,021	630
Job Openings Unfilled	807	925	516
Unemployment Insurance Program			
Initial Claims	4,244	2,687	3,387
Continued Claims	15,984	12,751	15,679
First Payments	1,033	853	1,007
Last Payments	238	198	238
Weeks Compensated	11,975	10,197	12,305
Benefits Paid	\$1,650,145	\$1,433,810	\$1,673,863
Average Weekly Payment	\$142.65	\$144.40	\$140.02

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	November 1988	October 1988	November 1987
New Applicants	36,413	38,294	36,556
Active File of Job Seekers	250,577	247,110	265,373
Counseling Interviews	1,208	1,547	1,404
Tests Administered	1,712	2,175	3,997
General Aptitude Tests	326	261	249
Proficiency Tests	278	462	533
Specific Aptitude Tests	206	420	905
Referrals to Jobs	25,370	31,168	23,091
Placements	6,445	9,249	6,278
Job Openings Received	10,161	14,190	9,563
Job Openings Unfilled	22,792	25,809	19,860

Selected Unemployment Insurance Activities

	November 1988	October 1988	November 1987
Initial Claims	54,529	43,496	61,159
Continued Claims	321,870	250,873	338,808
First Payments	21,348	16,329	17,200
Last Payments	4,830	4,363	5,116
Average Weekly Claimants	67,968	61,116	78,953
Average Weekly Benefit Recipients	49,980	48,898	60,905
Weeks Compensated	229,564	197,380	243,621
Benefits Paid	\$34,306,620	\$29,778,357	\$35,738,411
Average Weekly Payment	\$153.93	\$154.44	\$150.54
Continued Claims for Survey Week	65,174	59,781	80,928
Insured Unemployment Rate	1.5	1.4	1.9
Net Contributions	\$76,038,659	\$37,887,340	\$217,564,425
Active Employer Accounts	200,899	200,778	198,160

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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SG 270-1
2/28/89

Ohio Labor Market Information Review

December 1988

Summary. Ohio's seasonally adjusted unemployment rate slipped .2 percentage points from November, to 5.5 percent in December. The national rate declined slightly, from 5.4 percent in November to 5.3 percent in December. Total employment in Ohio declined 13,000, to 5,028,000, while the number of unemployed, at 293,000, was down 11,000. Nonagricultural payroll employment (seasonally adjusted) increased 13,000, to 4,751,000. (See page 3.)

Factory Employment. Manufacturing employment in Ohio rose 2,000 from November, to 1,114,000 in December. Both durable-goods employment, at 747,000, and nondurable-goods employment, at 366,000, were up 1,000 from November.

Nonmanufacturing. Advances of 4,000 in services and 3,000 in retail trade helped raise nonmanufacturing employment 11,000, to 3,638,000 in December. Construction employment increased 2,000, while wholesale trade added 1,000 jobs. Mining, transportation and public utilities, finance, insurance, and real estate, and government were unchanged from November.

Over the Year. The unemployment rate in Ohio dropped from 6.2 percent in December 1987 to 5.5 percent in December 1988. Nationwide, the unemployment rate fell from 5.8 percent to 5.3 percent over the year. Ohio's total employment was up 91,000, while the number of jobless workers dropped 34,000. Nonfarm wage and salary employment increased 113,000 from December 1987. Employment in services rose 41,000, retail trade advanced 29,000, and construction increased 13,000. Gains in durable-goods industries, especially nonelectrical machinery, primary metal industries, and lumber and wood products, helped raise manufacturing employment 11,000. All other major divisions had increases in employment, except mining, which declined 1,000.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries earned an average of \$533.92 per week in December, up \$2.09 from November. Their average workweek increased fractionally, to 43.8 hours. Most industries had greater earnings, with the notable exception of primary metal industries. Significant gains occurred in general industrial machinery, miscellaneous plastics products, motor vehicles and equipment, and electrical industrial apparatus.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 72,994 in December, up 33.9 percent from November, but down 17.8 percent from December 1987. Total benefits paid increased 39.4 percent from November, to \$47.8 million. The average weekly benefit of \$157.22 was \$3.29 higher. The average weekly number of benefit recipients rose 38.1 percent, to 69,005. At the end of December, there were 201,646 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Employment Service. The number of new job applicants served by the Ohio Bureau of Employment Services in December, at 31,650, was down 13.1 percent from November. The number of job openings received from employers dropped 32.5 percent from November, to 6,861. The Employment Services Division made 16,946 job referrals and 4,180 placements.

The LMI Division is producing a new publication, *Leading Indicators*. This publication will contain indexes of leading economic indicators for Ohio and its eight largest metropolitan areas.

See pages 14 and 45 for more information.

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**Seasonally Adjusted Civilian Labor Force
& Nonagricultural Wage & Salary Employment
Estimates for Ohio^a**

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Dec. 1988	Nov. 1988	Dec. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,321	5,345	5,264	-24	57	-0.4	1.1
Employment	5,028	5,041	4,937	-13	91	-0.3	1.8
Unemployment	293	304	327	-11	-34	-3.6	-10.4
Unemployment Rate	5.5	5.7	6.2				
Employer Survey Data^e							
Total	4,751	4,738	4,639	13	113	0.3	2.4
Manufacturing	1,114	1,111	1,103	2	11	0.2	1.0
Durable Goods	747	746	739	1	9	0.2	1.2
Nondurable Goods	366	365	364	1	2	0.2	0.6
Nonmanufacturing	3,638	3,627	3,536	11	102	0.3	2.9
Mining	20	20	20	0	-1	-0.5	-2.5
Construction	197	195	185	2	13	1.2	6.8
Transportation and Public Utilities	211	210	208	0	3	0.1	1.3
Wholesale Trade	261	260	253	1	8	0.3	3.2
Retail Trade	888	885	859	3	29	0.3	3.4
Finance, Insurance, and Real Estate	254	253	247	0	7	0.1	2.8
Services	1,113	1,109	1,072	4	41	0.4	3.8
Government	695	695	693	0	2	0.0	0.3
Goods Producing Industries ^f	1,331	1,326	1,308	5	23	0.3	1.8
Service Producing Industries ^g	3,421	3,412	3,331	8	90	0.2	2.7

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. ^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. ^fIncludes Mining, Construction, and Manufacturing. ^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
5,275	4,854	421	8.0	6.7
5,276	4,849	427	8.1	6.7
5,295	4,850	445	8.4	6.6
5,237	4,838	399	7.6	6.5
5,236	4,854	382	7.3	6.3
5,277	4,884	393	7.4	6.3
5,251	4,874	377	7.2	6.1
5,252	4,886	366	7.0	6.0
5,234	4,873	361	6.9	6.0
5,181	4,891	290	5.6	5.9
5,215	4,900	315	6.0	6.0
5,263	4,945	318	6.0	5.9
5,264	4,937	327	6.2	5.8
5,330	4,983	347	6.5	5.8
5,355	5,013	342	6.4	5.7
5,369	4,958	411	7.7	5.6
5,277	4,945	332	6.3	5.4
5,248	4,922	326	6.2	5.6
5,271	4,959	312	5.9	5.3
5,252	4,973	279	5.3	5.4
5,298	5,000	298	5.6	5.6
5,251	4,947	304	5.8	5.4
5,311	5,016	295	5.6	5.3
5,345	5,041	304	5.7	5.4
5,521	5,028	293	5.5	5.3

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Total Nonagricultural			
	Total	Manufacturing	
		Durable	Non-durable
1986			
December	4,521	1,103	743
1987			
January	4,532	1,096	740
February	4,549	1,099	742
March	4,552	1,091	737
April	4,552	1,096	738
May	4,560	1,094	736
June	4,568	1,092	735
July	4,567	1,082	725
August	4,589	1,095	734
September	4,597	1,097	737
October	4,610	1,097	736
November	4,626	1,100	738
December	4,639	1,103	739
1988			
January	4,654	1,104	739
February	4,665	1,102	737
March	4,667	1,096	732
April	4,667	1,099	736
May	4,673	1,099	736
June	4,682	1,100	737
July	4,687	1,099	736
August	4,689	1,098	736
September	4,700	1,098	736
October	4,720	1,106	742
November	4,738	1,111	746
December	4,751	1,114	747

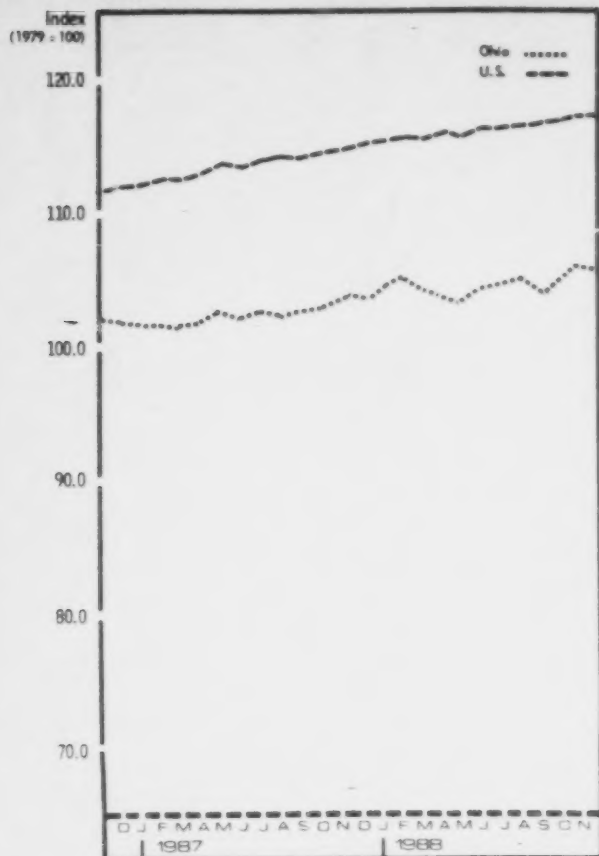
Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,418	22	166	206	244	830	239	1028	684
3,436	22	173	206	245	836	239	1029	686
3,451	22	174	206	246	842	240	1035	686
3,459	21	175	206	246	845	241	1038	687
3,457	21	173	206	247	841	241	1040	687
3,467	21	174	207	248	844	242	1044	687
3,476	21	175	207	248	845	243	1049	688
3,484	21	176	207	249	847	244	1054	686
3,494	21	177	207	250	850	245	1057	688
3,500	21	178	207	251	852	245	1060	686
3,514	20	180	208	251	855	246	1064	690
3,526	20	182	207	252	857	246	1069	692
3,536	20	185	208	253	859	247	1072	693
3,550	20	191	208	253	864	248	1075	689
3,563	20	192	207	254	869	249	1079	692
3,572	20	192	208	254	870	249	1084	694
3,568	20	191	209	254	868	250	1084	693
3,574	20	190	209	254	869	250	1088	693
3,582	20	191	209	256	870	250	1092	694
3,588	20	191	210	256	873	251	1094	693
3,591	20	191	210	257	875	252	1098	688
3,602	20	192	210	258	876	252	1101	693
3,613	20	192	210	259	881	253	1104	694
3,627	20	195	210	260	885	253	1109	695
3,638	20	197	211	261	888	254	1113	695

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

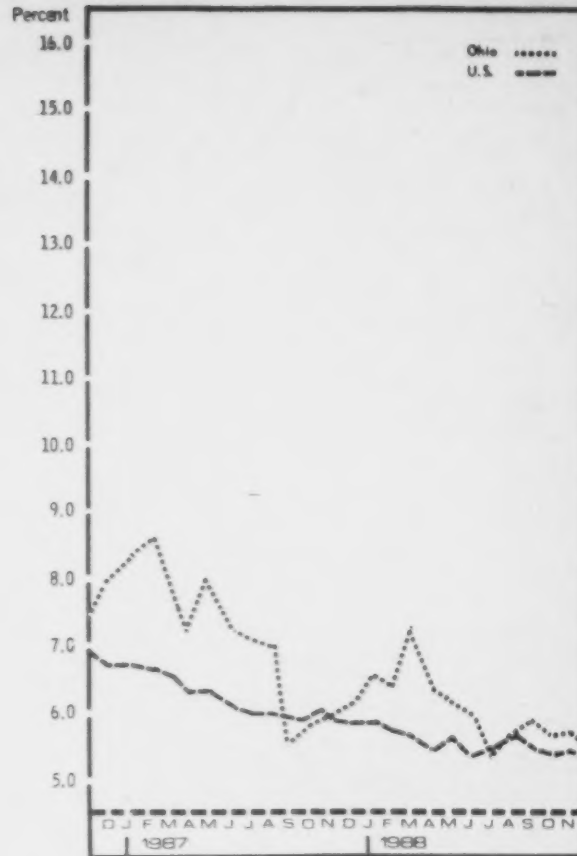
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.

(Seasonally Adjusted)



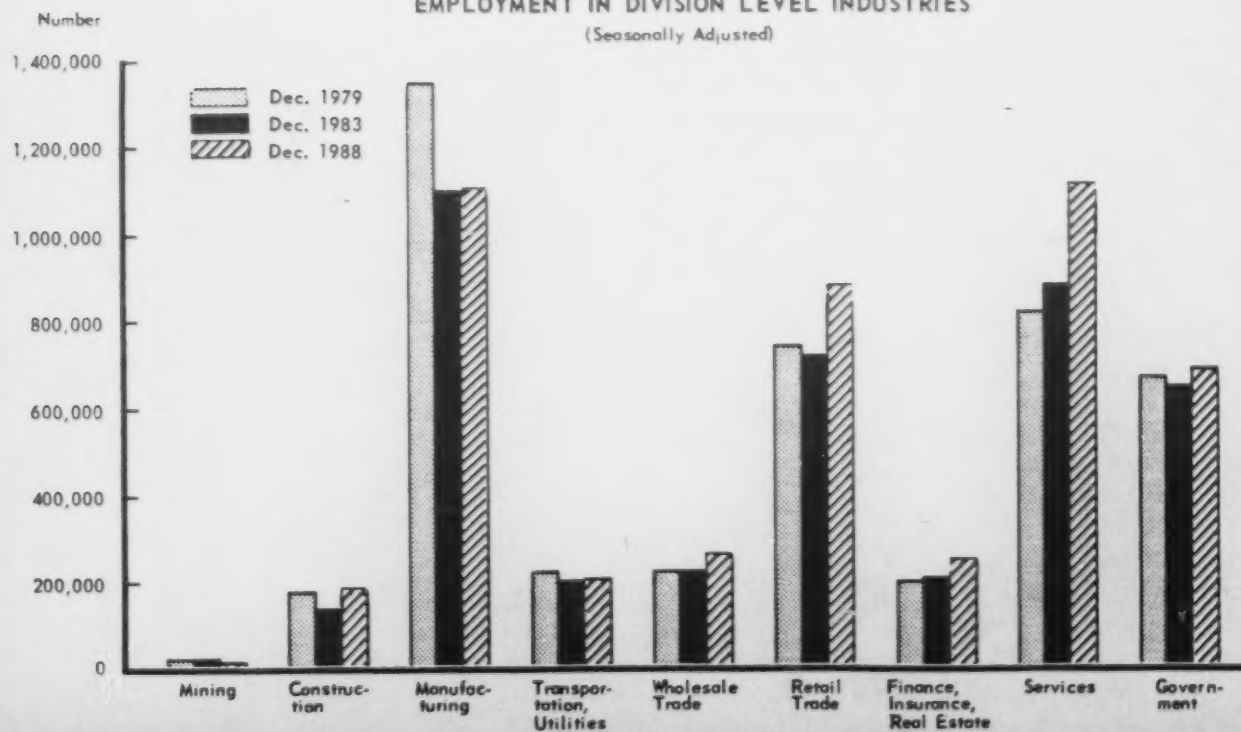
UNEMPLOYMENT RATES
OHIO AND U.S.

(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
4,833	4,520	312	6.5	7.1
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,231	4,806	425	8.1	7.0
5,248	4,881	367	7.0	6.2
5,259	4,937	322	6.1	5.4
5,258	4,883	375	7.1	6.3
5,279	4,905	374	7.1	6.2
5,295	4,879	416	7.9	5.9
5,257	4,941	316	6.0	5.3
5,243	4,941	302	5.8	5.4
5,325	5,002	323	6.1	5.5
5,336	5,064	272	5.1	5.5
5,343	5,044	299	5.6	5.4
5,251	4,952	300	5.7	5.2
5,327	5,052	276	5.2	5.0
5,360	5,075	284	5.3	5.2
5,312	5,028	284	5.4	5.0

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Total Nonagricultural			
Manufacturing			
	Durable	Non-durable	
1977	4,230.1	1,344.1	398.9
1978	4,394.9	1,377.2	402.7
1979	4,484.8	1,382.3	401.8
1980	4,367.4	1,264.3	381.8
1981	4,317.7	1,232.6	372.2
1982	4,124.3	1,099.9	347.5
1983	4,092.5	1,066.0	342.4
1984	4,260.2	1,127.0	353.6
1985	4,372.9	1,124.3	355.5
1986	4,471.4	1,109.8	357.1
1987	4,578.9	1,095.3	358.9
1987	4,676.9	1,102.9	364.3
1988	4,565.8	1,094.5	361.9
January	4,568.8	1,092.4	360.1
February	4,595.8	1,088.8	359.7
March	4,653.9	1,097.7	360.6
April	4,704.6	1,099.7	361.3
May	4,728.6	1,106.7	364.7
June	4,692.8	1,100.0	363.3
July	4,693.3	1,101.2	365.6
August	4,745.2	1,109.4	368.7
September	4,770.6	1,109.1	366.4
October	4,847.2	1,114.6	366.3
November	4,790.5	1,114.3	366.8
December			

Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	205.4	244.3	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	847.7	243.1	1,051.2	688.1
3,573.9	20.5	182.9	209.6	252.8	887.8	246.7	1,064.7	708.9
3,471.3	20.1	163.5	203.3	250.9	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	878.8	253.9	1,108.4	653.2
3,592.0	20.5	212.2	211.7	258.1	883.8	254.4	1,110.1	661.3
3,635.9	20.5	211.6	212.5	258.3	885.7	252.9	1,115.2	679.0
3,661.4	20.5	212.4	212.7	260.3	889.1	253.1	1,110.6	702.8
3,732.6	20.4	206.2	212.4	260.3	902.9	253.1	1,107.7	769.6
3,676.2	20.0	195.3	212.4	260.9	918.0	253.5	1,105.3	710.7

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

**Production Workers
in Manufacturing**

Manufacturing				Production Workers	Aggregate Weekly Payroll	Aggregate Weekly Hours
Durable Goods	Nondurable Goods			(in thous.)	(in millions)	(in millions)
1,344.1	945.2	398.9	1977	958.0	\$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,093.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,099.7	738.4	361.3	May	754.3	389.5	32.4
1,106.7	742.1	364.7	June	759.3	396.2	32.9
1,100.0	736.6	363.3	July	751.9	377.8	31.8
1,101.2	735.6	365.6	August	753.6	380.6	32.0
1,109.4	740.7	368.7	September	762.7	398.0	33.0
1,109.1	742.8	366.4	October	762.3	398.7	33.0
1,114.6	748.3	366.3	November	768.0	408.5	33.6
1,114.3	747.5	366.8	December	767.0	409.5	33.6

**Production Workers
Average Weekly Earnings**

**Production Workers
Average Weekly Hours**

**Production Workers
Average Hourly Earnings**

Manufacturing				Manufacturing				Manufacturing			
Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods		
\$283.08	\$292.02	\$258.34	1977	42.0	42.2	41.4	1977	\$6.74	\$6.92	\$6.24	
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73	
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25	
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	
437.18	452.39	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	
			1987				1987				
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99	
			1988				1988				
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98	
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92	
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97	
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04	
516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00	
521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01	
502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04	
504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01	
521.77	545.38	469.63	September	43.3	43.7	42.5	September	12.05	12.48	11.05	
523.06	546.69	467.84	October	43.3	43.7	42.3	October	12.08	12.51	11.06	
531.83	557.80	472.43	November	43.7	44.2	42.6	November	12.17	12.62	11.09	
533.92	559.51	475.68	December	43.8	44.3	42.7	December	12.19	12.63	11.14	

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment

(in thousands)

67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.6	100.4	134.6	September	158.4	85.3	138.0	September	67.4	71.5	94.3
48.5	100.1	134.7	October	158.9	85.9	139.2	October	65.0	71.7	94.9
48.7	100.9	135.7	November	160.2	86.1	141.1	November	64.5	71.8	95.1
48.2	101.3	136.1	December	161.2	85.8	139.3	December	64.7	72.2	95.1

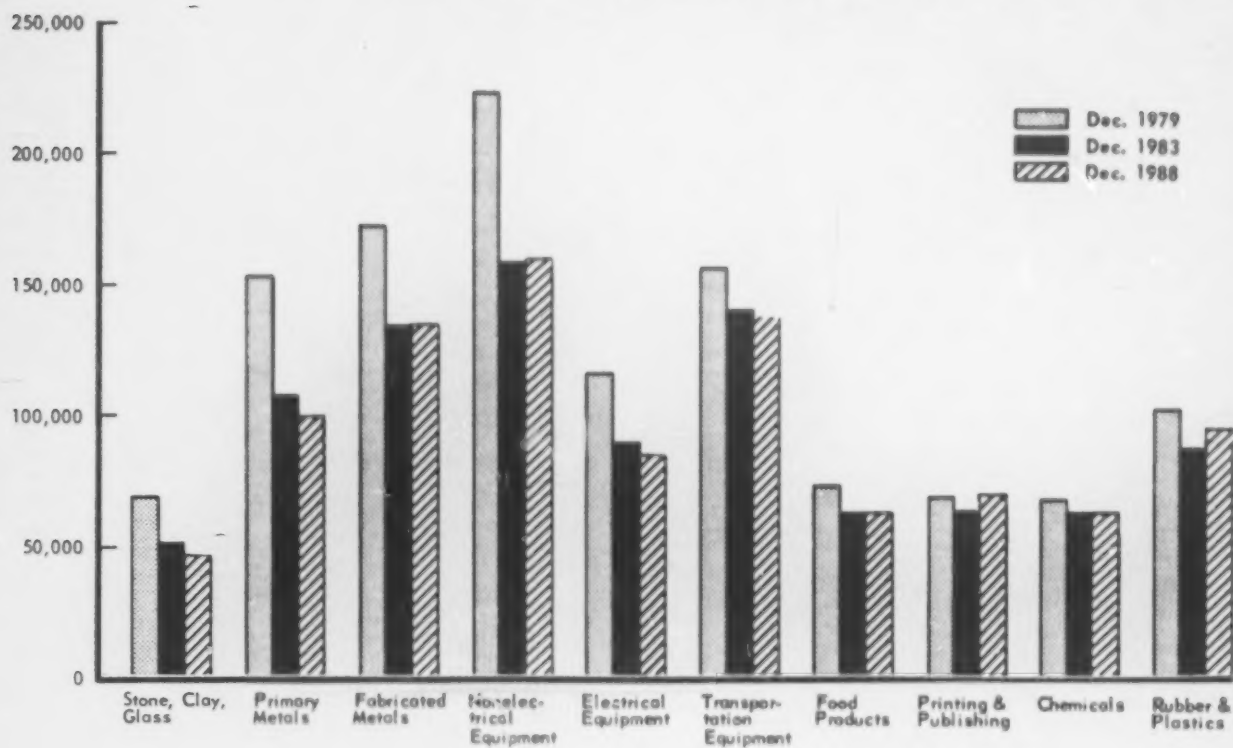
Average Weekly Earnings of Production Workers

\$253.95	\$329.54	\$290.44	1977	\$279.18	\$248.44	\$359.20	1977	\$258.54	\$271.96	\$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.25	630.90	534.16	December	551.82	490.91	726.03	December	459.24	459.49	460.78

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

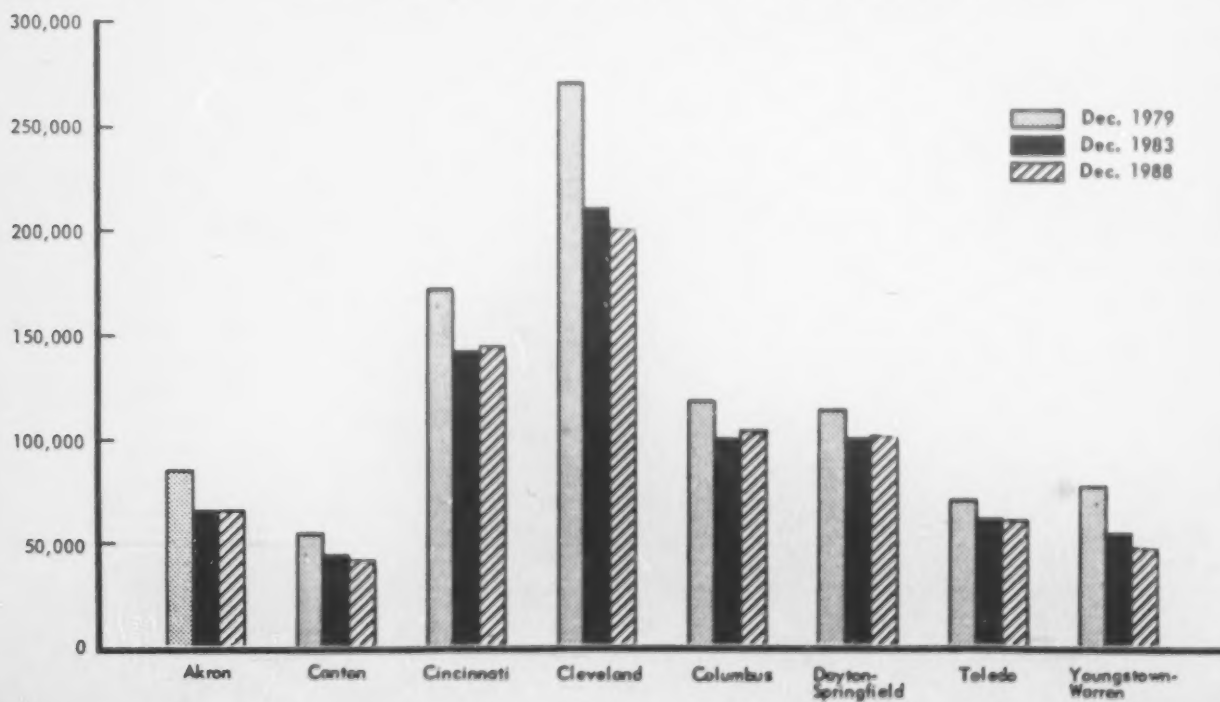
Number

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



Number

MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	4790.5	4847.2	4676.9	- 56.7	113.7
MANUFACTURING	1114.3	1114.6	1102.9	- .3	11.4
Durable Goods ^e	747.5	748.3	738.6	- .8	8.9
Lumber and wood products	22.8	23.1	20.0	- .2	2.8
Furniture and fixtures	14.2	14.2	14.5	.0	- .3
Stone, clay, and glass products	48.2	48.7	48.1	- .5	.1
Glass and glassware, pressed or blown	9.5	9.8	9.6	- .2	- .1
Primary metal industries	101.3	100.9	98.0	.5	3.4
Blast furnace and basic steel products	45.5	45.4	44.4	.0	1.1
Iron and steel foundries	22.0	21.9	21.1	.1	.9
Nonferrous rolling and drawing	18.2	18.1	17.1	.1	1.1
Fabricated metal products	136.1	135.7	134.8	.3	1.3
Cutlery, hand tools, and hardware	9.8	9.9	9.9	.0	.0
Fabricated structural metal products	28.9	28.8	29.2	.1	- .3
Metal forgings and stampings	42.7	42.8	42.6	- .1	.1
Machinery, except electrical	161.2	160.2	155.1	.9	6.1
Construction and related machinery	12.7	12.5	12.4	.2	.2
Metalworking machinery	41.0	40.7	39.8	.3	1.2
Special industry machinery	18.2	18.2	16.6	.0	1.6
General industrial machinery	28.5	28.3	27.8	.1	.7
Office and computing machines	13.1	13.2	13.7	- .1	- .7
Refrigeration and service machinery	16.1	16.1	15.6	.0	.5
Electric and electronic equipment	85.8	86.1	86.3	- .3	- .5
Electrical industrial apparatus	17.2	17.3	16.1	- .1	1.1
Household appliances	15.7	15.7	15.9	.0	- .2
Electric lighting and wiring equipment	17.2	17.2	17.1	.1	.2
Communication equipment	9.6	9.8	10.1	- .1	- .4
Transportation equipment	139.3	141.1	144.2	- 1.8	- 4.9
Motor vehicles and equipment	92.1	93.6	94.0	- 1.5	- 2.0
Aircraft and parts	38.1	38.3	40.7	- .3	- 2.6
Instruments and related products	23.7	23.6	23.6	.2	.1
Measuring and controlling devices	12.9	12.9	13.1	.0	- .2
Nondurable Goods ^f	366.8	366.3	364.3	.5	2.6
Food and kindred products	64.7	64.5	63.8	.2	.9
Meat products	9.3	9.2	9.7	.1	- .4
Dairy products	10.9	10.9	10.7	.0	.2
Preserved fruits and vegetables	11.1	11.3	10.8	- .2	.3
Bakery products	9.2	9.0	9.0	.2	.1
Beverages	9.4	9.3	9.4	.1	.0
Apparel and other textile products	17.1	17.1	16.2	- .1	.9
Paper and allied products	38.0	37.7	38.0	.3	- .1
Misc. converted paper products	12.5	12.5	12.3	.0	.1
Paperboard containers and boxes	13.3	13.2	13.2	.2	.2
Printing and publishing	72.2	71.8	71.7	.3	.5
Newspapers	19.5	19.4	19.8	.1	- .3
Commercial printing	26.8	26.7	26.5	.1	.3
Chemicals and allied products	63.4	63.2	63.4	.2	.0
Industrial inorganic chemicals	8.7	8.6	9.4	.1	- .7
Rubber and misc. plastics products	95.1	95.1	94.5	.0	.6
Tires and inner tubes	17.1	17.2	16.8	.0	.3
Miscellaneous plastics products	56.9	57.0	56.9	- .1	.0

See footnotes on page 13.

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
MANUFACTURING	3676.2	3732.6	3573.9	- 56.4	102.3
MINING	20.0	20.4	20.5	- .3	- .5
Bituminous coal and lignite mining	8.3	8.4	8.7	- .1	- .4
Oil and gas extraction	7.0	7.0	7.0	.1	.0
CONSTRUCTION	195.3	206.2	182.9	- 10.8	12.4
General building contractors	50.3	51.8	46.1	- 1.6	4.2
Heavy construction contractors	23.6	27.9	22.2	- 4.3	1.4
Highway and street construction	10.0	13.0	8.9	- 3.0	1.1
Special trade contractors	121.5	126.5	114.6	- 4.9	6.9
TRANSPORTATION AND PUBLIC UTILITIES	212.4	212.4	209.6	.0	2.8
Railroad transportation	12.5	12.9	13.3	- .4	- .7
Transportation, except railroads	111.3	110.8	107.0	.4	4.3
Trucking and warehousing	77.0	76.3	75.2	.8	1.8
Communication, electric, gas services ..	88.6	88.7	89.3	- .1	- .7
Communication	46.8	47.0	47.6	- .2	- .8
Electric, gas, and sanitary services ..	41.8	41.7	41.8	.1	.1
WHOLESALE TRADE	260.9	260.3	252.8	.6	8.1
Wholesale trade-durable goods	163.4	163.2	158.9	.2	4.5
Motor vehicles & automotive equipment ..	22.3	22.3	22.0	.1	.3
Electrical goods	19.7	19.6	19.8	.1	- .2
Machinery, equipment, and supplies ...	69.7	69.6	67.7	.1	2.0
Wholesale trade-nondurable goods	97.5	97.1	93.9	.4	3.6
Groceries and related products	30.6	30.5	29.6	.1	1.0
RETAIL TRADE	918.0	902.9	887.8	15.1	30.2
General merchandise stores	135.7	129.6	134.9	6.1	.8
Department stores	117.8	112.2	118.1	5.6	- .3
Food stores	141.9	139.2	135.2	2.7	6.8
Automotive dealers & service stations ..	96.6	96.9	93.7	- .3	2.9
Apparel and accessory stores	49.3	46.8	46.7	2.5	2.7
Eating and drinking places	308.1	307.9	300.2	.2	7.9
FINANCE, INSURANCE, AND REAL ESTATE	253.5	253.1	246.7	.4	6.8
Banking	64.6	64.4	63.6	.2	1.0
Credit agencies other than banks	38.1	37.9	37.8	.1	.3
Insurance carriers	70.1	70.1	68.8	.1	1.3
Life insurance	26.1	26.0	25.9	.1	.2
Fire, marine, and casualty insurance ..	31.0	31.0	30.5	.0	.5
SERVICES	1105.3	1107.7	1064.7	- 2.4	40.6
Hotels and other lodging places	35.0	35.2	33.9	- .3	1.1
Personal services	59.2	59.0	57.3	.2	1.9
Laundry, cleaning, & garment services ..	19.7	19.8	19.2	- .1	.5
Business services	231.4	230.7	216.7	.6	14.7
Services to buildings	32.1	32.0	30.1	.1	2.0
Computer and data processing services ..	21.5	21.3	19.5	.2	2.0
Amusement and recreation services	32.7	34.2	33.8	- 1.5	- 1.2
Health services	376.4	375.4	365.8	1.0	10.5
Nursing and personal care facilities ..	83.6	83.4	80.8	.3	2.8
Hospitals	180.5	180.2	178.4	.2	2.1
Educational services	65.7	67.7	63.8	- 2.0	1.9
Colleges and universities	36.1	38.0	34.4	- 1.9	1.7
GOVERNMENT	710.7	769.6	708.9	- 58.8	1.8
Federal government	95.5	95.0	95.9	.5	- .4
State government	165.6	164.2	162.0	1.3	3.6
State government education ¹	91.7	90.6	88.7	1.1	3.0
State government, except education ...	73.9	73.6	73.3	.2	.6
Local government	449.6	510.3	451.0	- 60.7	- 1.4
Local government education	263.7	264.2	267.2	- .5	- 3.5
Local government, except education ...	186.0	246.2	183.9	- 60.2	2.1

See footnotes on page 13.

Ohio

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$533.92	\$531.83	\$512.67	43.8	43.7	43.3	\$12.19	\$12.17	\$11.84
Durable Goods ^e	559.51	557.80	532.36	44.3	44.2	43.6	12.63	12.62	12.21
Lumber and wood products	334.65	338.30	300.03	42.2	42.5	41.1	7.93	7.96	7.30
Furniture and fixtures	373.19	381.14	373.75	41.1	41.7	41.9	9.08	9.14	8.92
Stone, clay, and glass products	463.25	473.90	451.76	42.5	43.2	42.3	10.90	10.97	10.68
Glass and glassware, pressed or blown	477.43	492.26	460.12	41.3	42.4	39.7	11.56	11.61	11.59
Primary metal industries	630.90	639.77	611.52	45.0	45.6	44.8	14.02	14.03	13.65
Blast furnace and basic steel products	627.10	637.06	648.17	44.1	44.8	46.1	14.22	14.22	14.06
Iron and steel foundries	698.02	696.26	614.68	47.1	47.3	44.0	14.82	14.72	13.97
Nonferrous rolling and drawing	656.21	671.64	606.11	43.2	44.1	41.6	15.19	15.23	14.57
Fabricated metal products	534.16	531.29	514.65	44.0	43.8	43.8	12.14	12.13	11.75
Cutlery, hand tools, and hardware	521.25	517.08	494.36	41.8	41.7	41.3	12.47	12.40	11.97
Fabricated structural metal products	465.62	460.82	480.90	42.6	42.2	44.2	10.93	10.92	10.88
Metal forgings and stampings	656.10	661.83	618.55	45.0	45.3	44.5	14.58	14.61	13.90
Machinery, except electrical	551.82	545.13	520.68	44.9	44.5	44.2	12.29	12.25	11.78
Construction and related machinery	438.37	452.34	434.52	41.2	42.0	42.6	10.64	10.77	10.20
Metalworking machinery	528.50	525.22	519.38	45.6	45.2	45.4	11.59	11.62	11.44
Special industry machinery	517.05	524.87	513.88	45.0	45.8	44.3	11.49	11.46	11.60
General industrial machinery	591.22	561.11	535.76	45.2	43.7	43.7	13.08	12.84	12.26
Office and computing machines	475.25	448.26	456.62	42.7	41.2	45.3	11.13	10.88	10.08
Refrigeration and service machinery	639.12	628.70	557.53	44.6	44.4	41.7	14.33	14.16	13.37
Electric and electronic equipment	490.91	477.99	476.27	43.1	42.3	42.6	11.39	11.30	11.18
Electrical industrial apparatus	519.75	487.52	472.81	46.2	44.0	43.1	11.25	11.08	10.97
Household appliances	507.83	503.40	485.62	41.9	41.5	40.3	12.12	12.13	12.05
Electric lighting and wiring equipment	502.78	489.20	484.70	42.5	42.1	43.2	11.83	11.62	11.22
Communication equipment	486.26	459.80	488.22	41.0	39.4	41.8	11.86	11.67	11.68
Transportation equipment	726.03	717.02	656.37	46.6	46.2	44.2	15.58	15.52	14.85
Motor vehicles and equipment	763.42	754.15	672.53	47.3	46.9	44.1	16.14	16.08	15.25
Aircraft and parts	637.82	627.59	639.86	45.3	44.7	46.0	14.08	14.04	13.91
Instruments and related products	381.82	377.29	376.18	41.1	40.7	40.8	9.29	9.27	9.22
Measuring and controlling devices	374.53	369.47	355.89	40.1	39.6	38.6	9.34	9.33	9.22
Nondurable Goods ^f	475.68	472.43	469.27	42.7	42.6	42.7	11.14	11.09	10.99
Food and kindred products	459.24	452.83	455.80	42.8	42.4	43.0	10.73	10.68	10.60
Meat products	379.99	363.08	387.61	42.6	41.4	41.5	8.92	8.77	9.34
Dairy products	465.25	477.40	480.91	43.4	44.0	43.6	10.72	10.85	11.03
Preserved fruits and vegetables	488.92	478.70	480.26	42.7	42.4	43.7	11.45	11.29	10.99
Bakery products	474.01	483.55	469.54	39.9	40.6	40.2	11.88	11.91	11.68
Beverages	423.23	420.80	431.96	40.5	40.5	41.1	10.45	10.39	10.51
Apparel and other textile products	312.53	314.57	307.53	40.8	41.5	40.2	7.66	7.58	7.65
Paper and allied products	506.45	499.26	490.60	44.7	44.3	44.0	11.33	11.27	11.15
Misc. converted paper products	445.09	434.93	440.22	44.2	43.8	43.5	10.07	9.93	10.12
Paperboard containers and boxes	453.79	443.27	428.28	44.1	43.5	42.7	10.29	10.19	10.03
Printing and publishing	459.49	449.80	450.64	40.2	39.7	40.2	11.43	11.33	11.21
Newspapers	391.30	388.26	364.23	35.0	35.2	34.2	11.18	11.03	10.65
Commercial printing	466.47	450.58	451.61	42.1	41.3	41.7	11.08	10.91	10.83
Chemicals and allied products	562.36	567.14	565.87	42.7	42.9	43.9	13.17	13.22	12.89
Industrial inorganic chemicals	599.50	611.07	624.72	43.6	44.8	45.5	13.75	13.64	13.73
Rubber and misc. plastics products	460.78	459.46	451.44	43.8	43.8	43.2	10.52	10.49	10.45
Tires and inner tubes	653.39	666.47	651.32	44.6	45.4	45.9	14.65	14.68	14.19
Miscellaneous plastics products	453.49	442.98	432.98	44.2	43.6	42.7	10.26	10.16	10.14

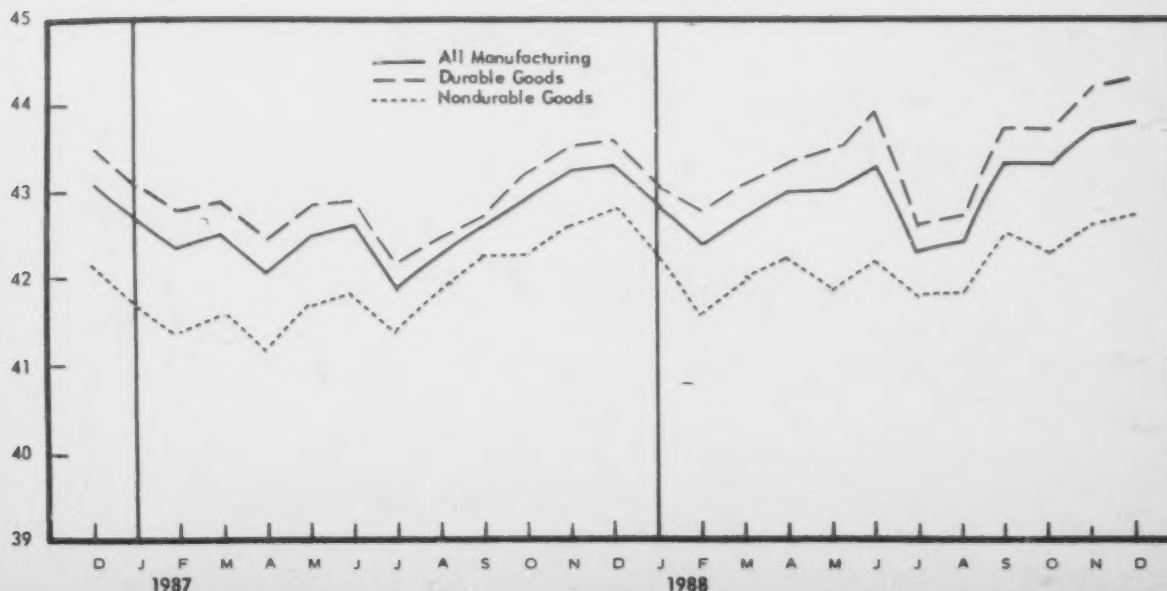
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MINING	\$541.44	\$552.11	\$535.82	42.3	43.1	42.9	\$12.80	\$12.81	\$12.49
Bituminous coal and lignite mining	661.57	656.26	658.60	41.4	41.3	42.6	15.98	15.89	15.46
CONSTRUCTION	585.14	604.09	574.81	38.7	39.9	38.5	15.12	15.14	14.93
TRANSPORTATION AND PUBLIC UTILITIES									
Communication, electric, gas services ..	573.24	577.10	562.78	40.8	40.9	40.9	14.05	14.11	13.76
Communication	548.97	556.54	544.05	40.1	40.3	40.3	13.69	13.81	13.50
Electric, gas, and sanitary services ..	601.54	602.98	586.30	41.6	41.7	41.7	14.46	14.46	14.06
WHOLESALE TRADE	401.88	397.26	385.13	39.4	39.1	39.5	10.20	10.16	9.75
Wholesale trade-durable goods	393.79	389.83	379.14	39.3	39.1	39.7	10.02	9.97	9.55
Wholesale trade-nondurable goods	414.75	410.42	396.54	39.5	39.2	39.3	10.50	10.47	10.09
RETAIL TRADE ^h	172.57	168.15	167.04	29.2	28.5	29.0	5.91	5.90	5.76
General merchandise stores	185.33	179.27	182.95	29.7	28.5	29.7	6.24	6.29	6.16
Department stores	189.53	183.61	187.41	29.8	28.6	29.7	6.36	6.42	6.31
FINANCE, INSURANCE, AND REAL ESTATE									
Banking	268.18	265.30	261.35	...	...	...	...	...	...
Credit agencies other than banks	277.16	272.27	257.91	...	...	...	...	...	...
Insurance carriers	382.97	377.53	358.09	...	...	...	...	...	...
SERVICES									
Health services	...	...	...	...	...	...	...	...	...
Hospitals	341.50	341.88	333.94	32.9	33.0	32.9	10.38	10.36	10.15

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Leading Indicators

The Labor Market Information Division of the Ohio Bureau of Employment Services is pleased to announce a new monthly publication. The first issue (January 1989 data) of *Leading Indicators* will be available in early March 1989. This publication will present leading indicator indexes of the economy that have been developed for Ohio and for its eight largest metropolitan areas. Like the national composite index of leading indicators, these indexes are designed to anticipate changes in the local economy based on changes in key component indicators of economic activity.

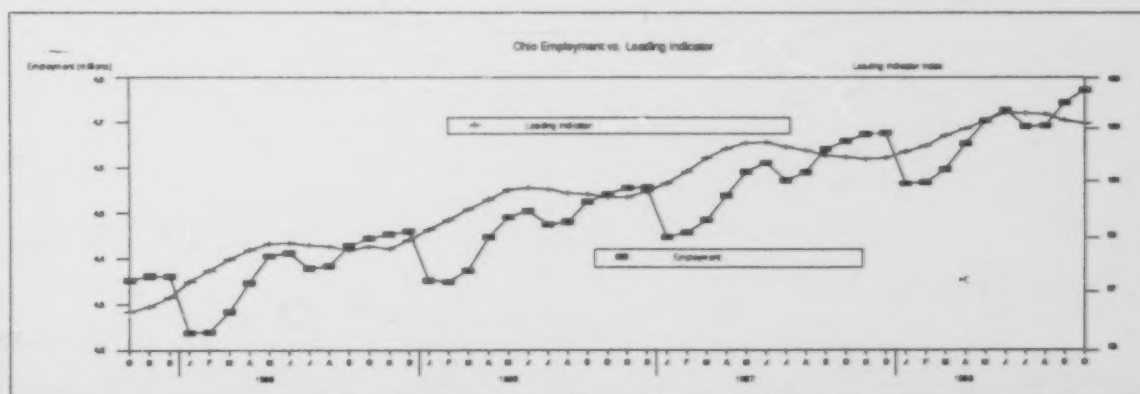
The five components chosen to form the composite index for each area were based on the following criteria:

- 1) economic plausibility as a leading indicator,
- 2) statistical ability to explain employment variation over the business cycle, and
- 3) timely availability of consistent monthly observations.

Five series consistently explained a large portion of employment variation and business cycle movement in each of the geographic areas. Two of these, the national composite index of leading indicators and domestic auto production, are common component indicators for each of the areas. The three remaining indicators, specific to the geographic area, are: valuation of housing authorized by building permits, initial claims for unemployment insurance, and average weekly hours in manufacturing.

At the national level, the Gross National Product is an acceptable measure of general levels of economic activity, but no reliable monthly measure of the dollar value of goods and services produced at the state level exists. The measure chosen to assess the performance of the local economy in each respective area is nonagricultural wage and salary employment. It is very important to note that, unlike the national composite index which foreshadows only business cycle turning points, these indexes also anticipate seasonal fluctuations. However, the amount of seasonal variability in the indicator has been reduced by computing a six-month moving average.

A chart comparing the relationship of the Ohio composite index to employment is shown below. In addition, a brief narrative, data, and charts on each of the components for every area will be included.



You can receive the *Leading Indicators*, free of charge, by completing the information below, detaching (or copying), and returning to:

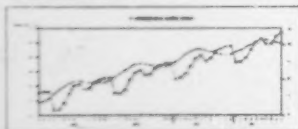
Ohio Bureau of Employment Services
LMI Division
Attn: Statistical Services
145 South Front Street
Columbus, OH 43215

Ohio
Labor
Market
Information

Leading Indicators

January 1989

The 17th-anniversary meeting yesterday raised more than \$200,000 to help fund the construction of a new bridge over the river, and the city will be the beneficiary of the bridge's construction. The bridge will be the largest bridge ever built in the city, and will be the largest bridge ever built in the city. The bridge will be the largest bridge ever built in the city, and will be the largest bridge ever built in the city.

[illegible]

Ohio Bureau of Employment Service
 Bureau of Employment Service 1000 North High Street, Columbus, Ohio 43260

Name: _____

Organization: _____

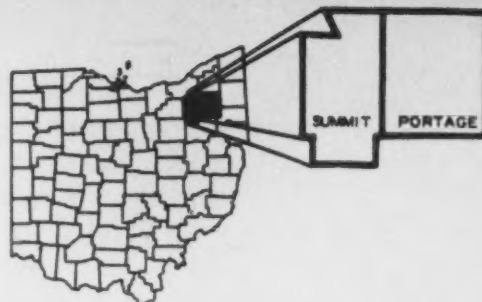
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City: _____

State: _____

Zip Code: _____

AKRON PRIMARY METROPOLITAN STATISTICAL AREA

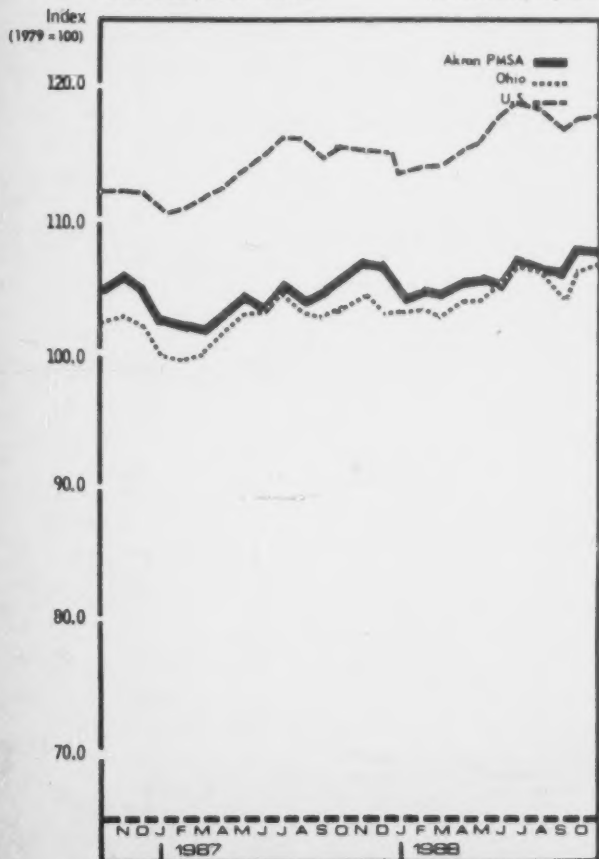


Nonfarm wage and salary employment in the Akron metropolitan area decreased 1,400 from November, to 279,200 in December 1988. The decline was concentrated in the nonmanufacturing sector due to the release of temporary election workers. More business in retail trade offset seasonal reductions in construction. Manufacturing employment increased 200, to 68,200 with some improvement in nonelectrical machinery. Factory production worker average hourly earnings, at \$11.59, were little changed from November. Their average workweek of 43.2 hours was .3 hours longer.

Nonagricultural payroll employment advanced 7,300 between December 1987 and December 1988. Primary growth sectors were services, retail trade, and manufacturing. Moderate gains also occurred in wholesale trade and construction. The manufacturing workforce increased 1,200 over the year. Growth was noted in nonelectrical machinery and rubber and miscellaneous plastics products, while employment in fabricated metal products declined.

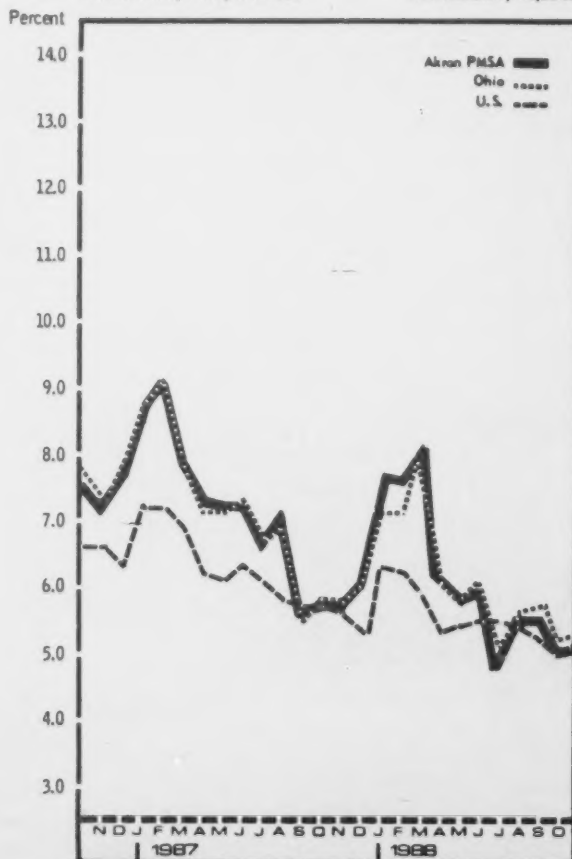
INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

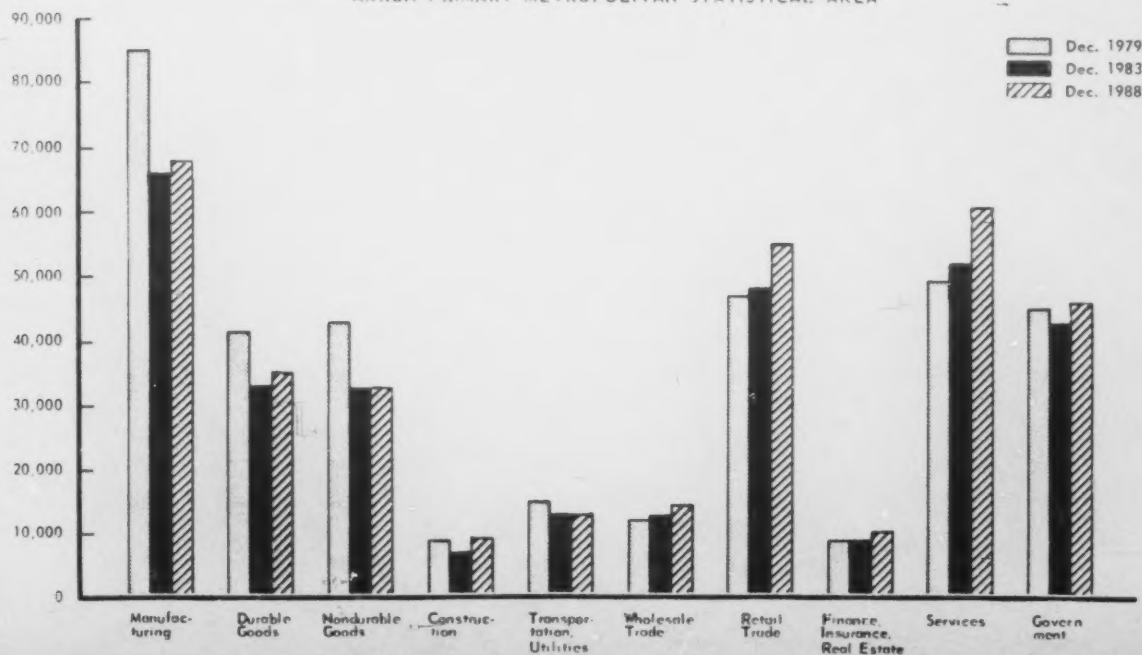


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed				Manufacturing Employment					
		Unemployed				Manufacturing Production Workers				
		Total	Rate				Hours and Earnings			
						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings		
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	\$285.53	42.3	\$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
1987										
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
1988										
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
321.4	303.7	17.7	5.5	September	275.9	66.3	36.3	489.89	43.2	11.34
324.6	308.3	16.3	5.0	October	276.1	66.3	36.4	488.78	42.8	11.42
324.3	307.7	16.7	5.1	November	280.6	68.0	38.2	496.78	42.9	11.58
INA	INA	INA	INA	December	279.2	68.2	38.4	500.69	43.2	11.59

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	279.2	280.6	271.9	- 1.4	7.3
MANUFACTURING	68.2	68.0	67.0	.2	1.2
Durable Goods ^e	35.4	35.2	34.7	.2	.7
Fabricated metal products	11.5	11.5	11.8	.0	-.4
Machinery, except electrical	10.5	10.3	9.5	.2	1.0
Metalworking machinery	3.7	3.6	3.4	.1	.3
Nondurable Goods ^f	32.8	32.8	32.3	.0	.5
Food and kindred products	3.0	3.0	3.1	.0	-.1
Chemicals and allied products	2.9	2.9	3.1	.0	-.2
Rubber and misc. plastics products	21.1	21.2	20.7	-.1	.4
Tires and inner tubes	12.6	12.6	12.6	.0	.0
NONMANUFACTURING ^g	211.0	212.6	204.9	- 1.6	6.1
CONSTRUCTION	9.6	10.3	8.9	-.7	.7
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.2	13.1	.0	.1
Communication, electric, gas services ..	5.3	5.3	5.3	.0	-.1
WHOLESALE TRADE	14.9	14.9	14.1	.0	.9
RETAIL TRADE	55.2	54.5	53.8	.8	1.4
General merchandise stores	7.3	7.0	7.2	.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	.0	.1
Banking	3.2	3.1	3.1	.1	.1
SERVICES	60.9	60.7	58.8	.2	2.1
Business services	12.2	12.1	11.7	.1	.5
Amusement and recreation services	3.2	3.1	3.1	.1	.1
Health services	20.7	20.6	19.8	.1	.9
GOVERNMENT	45.8	47.7	45.0	- 1.9	.7
State government	17.6	17.4	16.8	.1	.7
State government education ¹	14.6	14.5	13.9	.1	.7
State government, except education ...	2.9	2.9	2.9	.0	.0
Local government	25.7	27.8	25.8	- 2.1	.0
Local government education	15.2	15.2	15.0	.1	.2
Local government, except education ...	10.5	12.7	10.8	- 2.1	-.3

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers^a

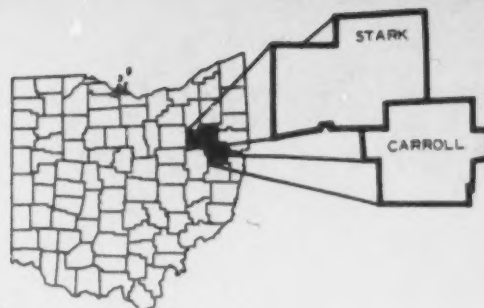
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$500.69	\$496.78	\$503.88	43.2	42.9	44.2	\$11.59	\$11.58	\$11.40
Durable Goods ^e	516.46	509.65	518.47	43.4	42.9	44.2	11.90	11.88	11.73
Fabricated metal products	630.72	629.26	623.45	43.2	43.1	44.5	14.60	14.60	14.01
Machinery, except electrical	464.21	463.65	476.53	45.6	45.5	46.4	10.18	10.19	10.27
Metalworking machinery	499.11	493.88	507.89	46.3	45.9	47.6	10.78	10.76	10.67
Nondurable Goods ^f	476.79	479.45	484.20	42.8	43.0	44.3	11.14	11.15	10.93
Food and kindred products	442.32	447.52	499.14	41.3	42.1	45.5	10.71	10.63	10.97
Chemicals and allied products	525.71	522.52	527.03	43.7	42.9	45.2	12.03	12.18	11.66
Rubber and misc. plastics products	491.00	493.00	486.20	43.8	43.9	44.2	11.21	11.23	11.00
Tires and inner tubes	766.71	764.01	752.76	48.1	47.9	49.2	15.94	15.95	15.30
TRANSPORTATION AND PUBLIC UTILITIES	571.84	588.47	572.93	40.7	41.5	41.1	14.05	14.18	13.94
Communication, electric, gas services ..	571.84	588.47	572.93	40.7	41.5	41.1	14.05	14.18	13.94
WHOLESALE TRADE	353.28	350.49	333.38	36.8	36.7	37.5	9.60	9.55	8.89
RETAIL TRADE ^h	206.88	200.61	198.74	33.1	32.2	31.9	6.25	6.23	6.23

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,078	1,997	2,276
Active File of Job Seekers	14,509	15,441	16,067
Referrals to Jobs	782	928	813
Placements	128	180	258
Job Openings Received	264	443	519
Job Openings Unfilled	663	960	717
Unemployment Insurance Program			
Initial Claims	4,608	3,414	5,356
Continued Claims	24,012	19,877	30,770
First Payments	2,515	1,359	1,888
Last Payments	316	273	416
Weeks Compensated	20,584	13,815	22,733
Benefits Paid	\$3,078,614	\$2,028,225	\$3,406,954
Average Weekly Payment	\$155.52	\$152.18	\$153.99

CANTON METROPOLITAN STATISTICAL AREA



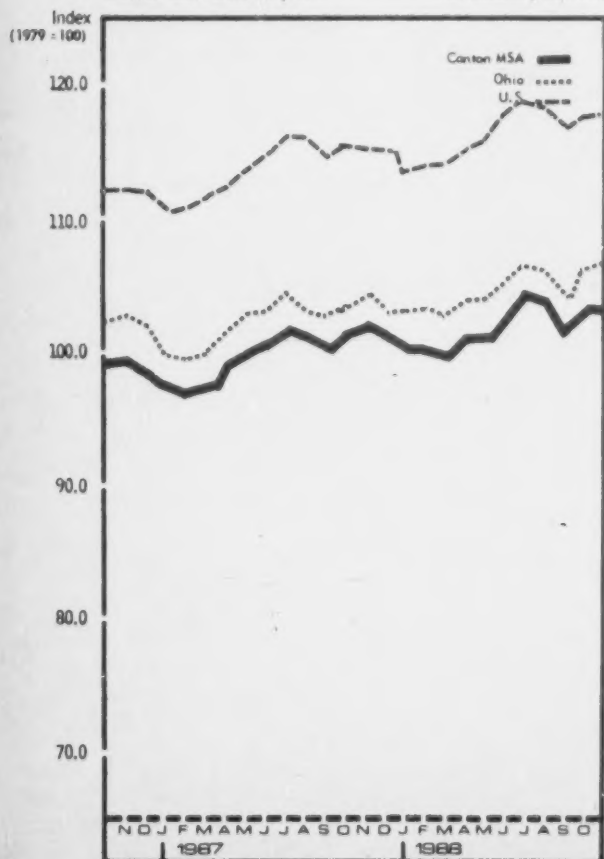
Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

Nonagricultural payroll in the Canton metropolitan area totaled 163,200 in December 1988, down 1,100 from November. The loss of temporary election workers lowered nonmanufacturing employment 1,200. A slight increase in primary metal industries raised manufacturing employment 100, to 44,200. Factory production worker average hourly earnings, at \$11.46, rose fractionally from November. Their average workweek of 42.8 hours was .1 hours shorter.

Total nonfarm wage and salary employment advanced 4,200 between December 1987 and December 1988. Expansion in nonmanufacturing industries accounted for most of the gain. Noteworthy improvements occurred in services, construction, retail trade, and transportation and public utilities. Manufacturing employment increased 400 over the year. Employment rose slightly among producers of both durable and nondurable goods. Modest growth in primary metal industries offset reductions in fabricated metal products.

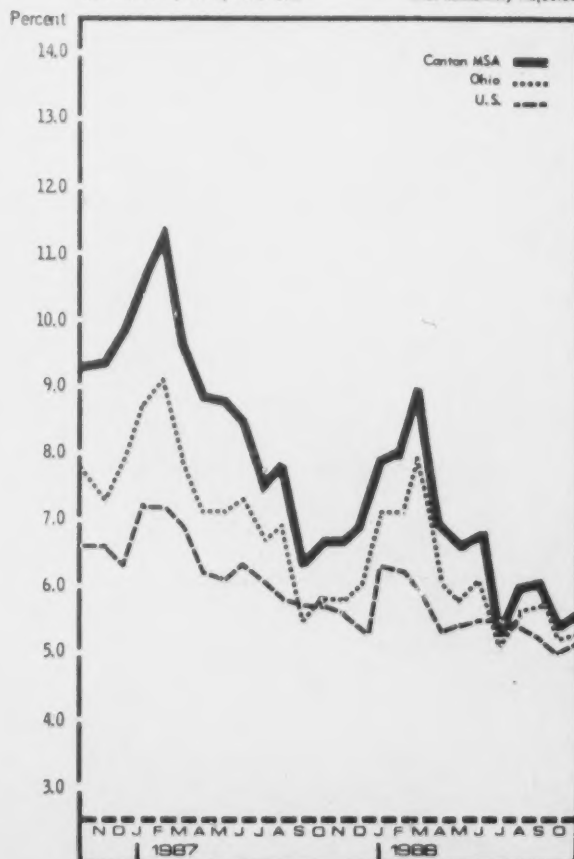
INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

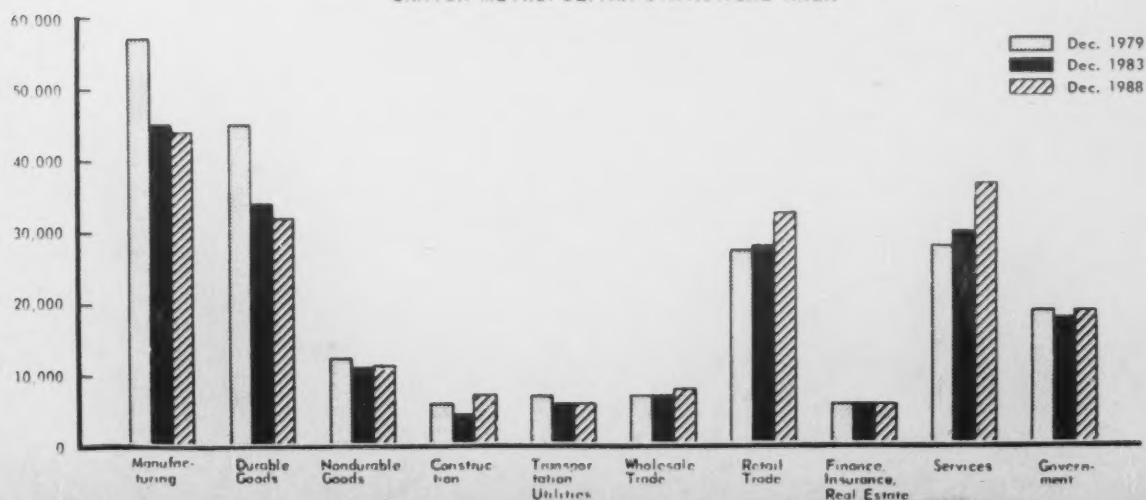


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed				Manufacturing Employment					
		Unemployed				Manufacturing Production Workers				
		Total	Rate				Hours and Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	\$273.14	39.7	\$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
189.9	177.4	12.5	6.6	1987						
188.8	175.9	12.9	6.8	November	158.7	43.8	31.2	475.73	42.1	11.30
				December	158.9	43.9	31.3	476.44	42.2	11.29
188.9	173.9	15.0	7.9	1988						
189.4	174.4	15.1	8.0	January	155.4	43.6	30.9	493.78	43.2	11.43
190.1	173.0	17.1	9.0	February	155.4	43.7	31.1	493.06	43.1	11.44
188.9	175.7	13.2	7.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.2	175.8	12.4	6.6	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	161.6	43.8	31.2	487.34	42.6	11.44
190.1	179.8	10.3	5.4	October	162.8	44.0	31.3	493.78	42.9	11.51
190.2	179.6	10.6	5.6	November	164.3	44.2	31.6	490.78	42.9	11.44
INA	INA	INA	INA	December	163.2	44.2	31.7	490.49	42.8	11.46

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	163.2	164.3	158.9	- 1.1	4.2
MANUFACTURING	44.2	44.2	43.9	.1	.4
Durable Goods ^e	32.4	32.3	32.2	.1	.2
Primary metal industries	10.9	10.9	10.6	.1	.3
Fabricated metal products	6.2	6.3	6.5	.0	.3
Metal forgings and stampings	2.1	2.1	2.2	.0	.1
Nondurable Goods ^f	11.8	11.9	11.7	.1	.2
Food and kindred products	3.4	3.4	3.4	.0	.0
Rubber and misc. plastics products	3.1	3.1	3.1	.0	.0
NONMANUFACTURING^g	118.9	120.1	115.0	- 1.2	3.9
CONSTRUCTION	7.6	7.9	6.8	.3	.8
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.2	5.7	.0	.5
Communication, electric, gas services ..	2.8	2.8	2.6	.0	.3
WHOLESALE TRADE	8.3	8.3	8.2	.0	.2
Wholesale trade-durable goods	4.6	4.6	4.5	.0	.1
RETAIL TRADE	33.2	32.9	32.6	.3	.6
General merchandise stores	4.6	4.4	4.6	.2	.0
Food stores	5.5	5.4	5.2	.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	6.3	6.3	6.5	.0	.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	36.9	37.0	35.4	.1	1.5
Health services	15.5	15.6	15.1	.1	.3
GOVERNMENT	19.3	20.5	18.9	- 1.2	.3
State government (includes education) ..	1.7	1.7	1.7	.0	.0
Local government	16.1	17.3	15.8	- 1.2	.3
Local government education	9.4	9.4	9.2	.1	.2
Local government, except education ...	6.7	7.9	6.5	- 1.1	.2

Canton MSA

**Hours & Earnings
of Production or
Nonsupervisory
Workers^a**

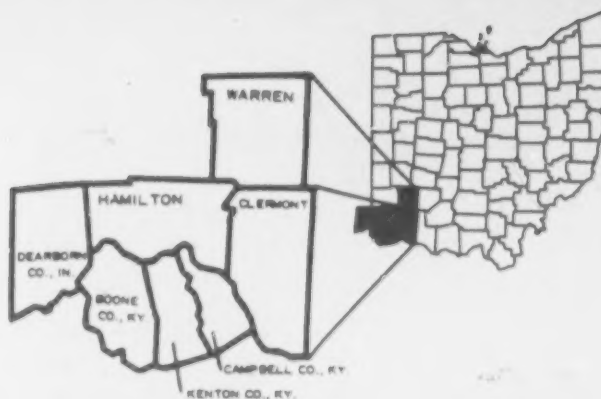
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$490.49	\$490.78	\$476.44	42.8	42.9	42.2	\$11.46	\$11.44	\$11.29
Durable Goods ^e	524.29	523.41	498.37	43.8	43.8	43.0	11.97	11.95	11.59
Primary metal industries	572.66	580.37	548.21	44.6	45.2	43.2	12.84	12.84	12.69
Fabricated metal products	505.04	486.92	442.66	43.5	42.6	42.4	11.61	11.43	10.44
Metal forgings and stampings	583.51	564.98	619.65	42.1	41.3	42.5	13.86	13.68	14.58
Nondurable Goods ^f	389.82	393.16	411.37	39.9	40.2	39.9	9.77	9.78	10.31
Food and kindred products	402.90	394.75	447.45	39.5	38.4	40.9	10.20	10.28	10.94
Rubber and misc. plastics products	391.88	398.96	433.70	40.4	41.3	40.8	9.70	9.66	10.63
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	564.57	568.17	560.60	40.5	40.7	41.1	13.94	13.96	13.64
WHOLESALE TRADE	389.88	386.43	384.38	38.0	37.3	38.4	10.26	10.36	10.01
RETAIL TRADE ^h	163.23	161.53	157.97	29.2	29.0	29.2	5.59	5.57	5.41

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	1,256	1,604	1,294
Active File of Job Seekers	10,951	12,182	10,784
Referrals to Jobs	569	823	578
Placements	101	271	209
Job Openings Received	241	581	410
Job Openings Unfilled	1,588	1,955	577
Unemployment Insurance Program			
Initial Claims	2,610	1,780	3,982
Continued Claims	12,311	10,741	14,585
First Payments	1,173	756	1,078
Last Payments	155	154	215
Weeks Compensated	10,658	7,739	12,052
Benefits Paid	\$1,511,078	\$1,074,472	\$1,639,133
Average Weekly Payment	\$146.17	\$143.34	\$141.33

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA

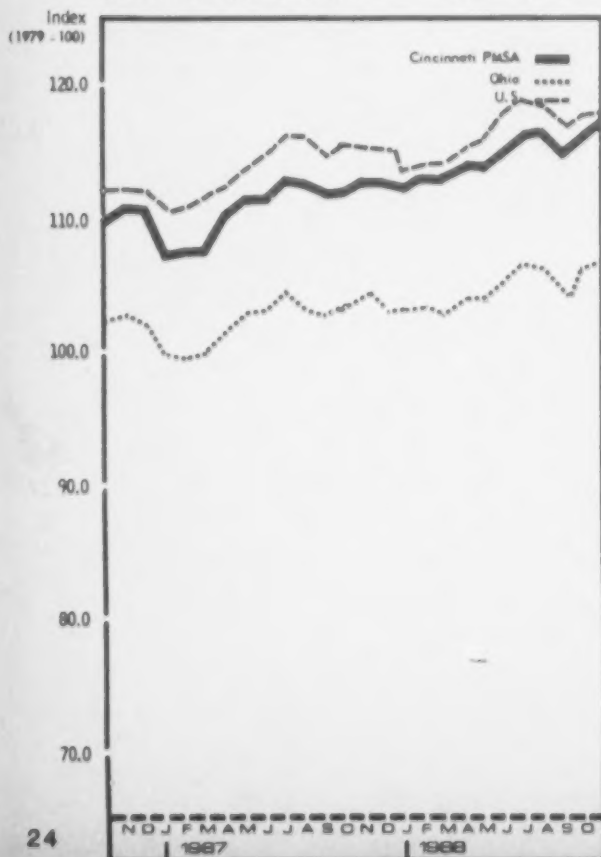


In the Cincinnati metropolitan area, nonfarm payroll employment decreased 1,900 from November, to 717,700 in December 1988. Nonmanufacturing employment declined 2,400. The release of temporary election workers and seasonal reductions in construction negated moderate gains in retail trade and services. Manufacturing industries added 500 workers over the month, to 146,400. Factory production workers averaged \$11.32 per hour, little changed from November. Their average workweek was .1 hours longer at 43.2 hours.

Nonagricultural wage and salary employment advanced 22,800 between December 1987 and December 1988. The expansion was concentrated in the nonmanufacturing sector. Significant growth occurred in retail trade and business and health services. Noteworthy gains were also registered in construction, transportation and public utilities, wholesale trade, and finance, insurance, and real estate. Manufacturing employment increased 800 over the year. Modest improvements were recorded in food and kindred products, nonelectrical machinery, and electric and electronic equipment. Employment in transportation equipment declined.

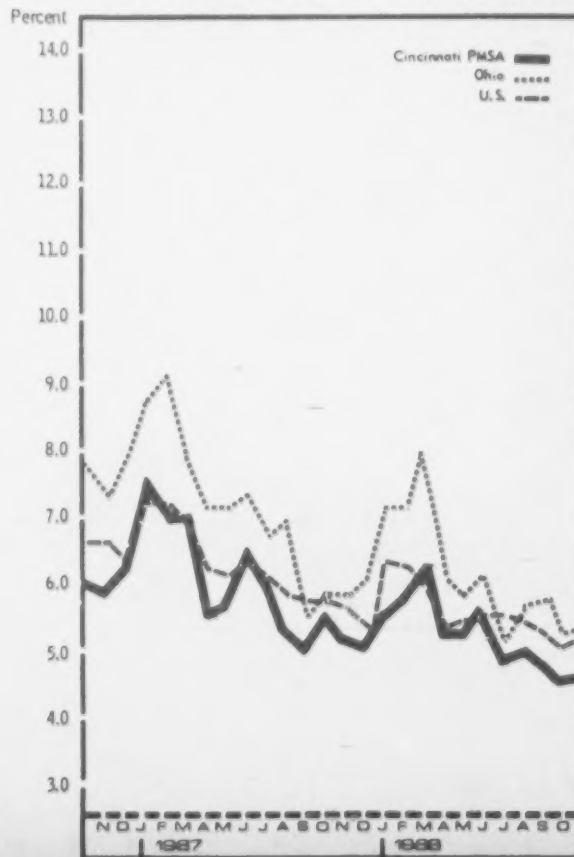
INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

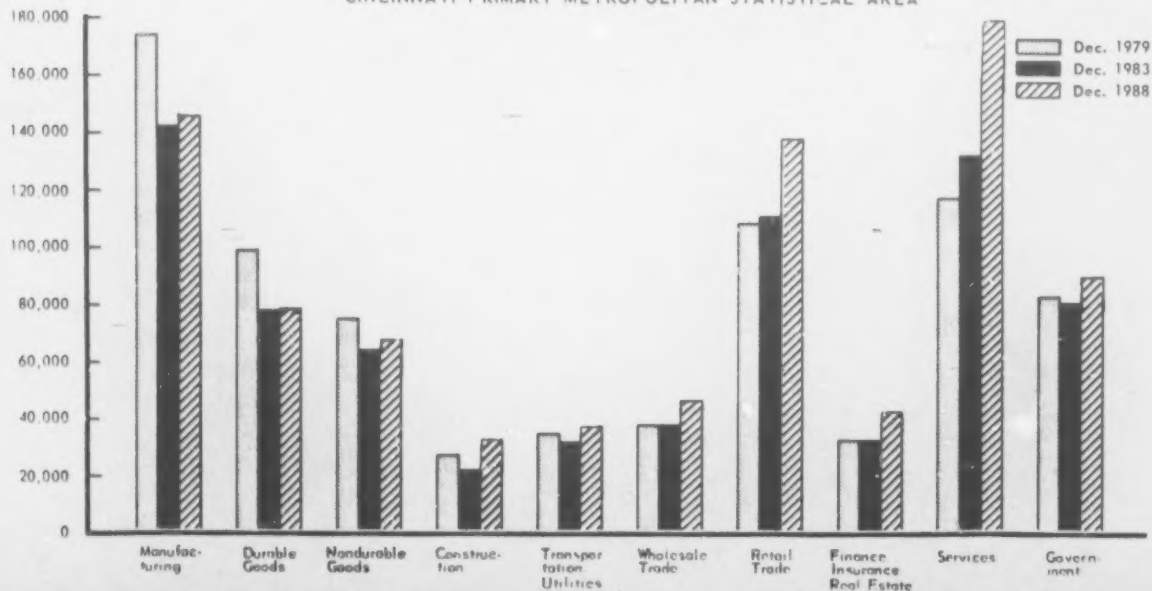


CINCINNATI MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate				Hours and Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	\$260.83	41.6	\$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	August	703.6	144.8	92.3	476.15	42.4	11.23
758.0	722.0	36.0	4.7	September	710.6	145.4	93.0	483.75	43.0	11.25
766.5	732.0	34.5	4.5	October	711.4	144.9	92.2	484.18	43.0	11.26
771.4	735.6	35.8	4.6	November	719.6	145.9	93.0	487.46	43.1	11.31
INA	INA	INA	INA	December	717.7	146.4	93.1	489.02	43.2	11.32

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	717.7	719.6	694.9	- 1.9	22.8
MANUFACTURING	146.4	145.9	145.6	.5	.8
Durable Goods ^e	78.0	77.7	77.8	.3	.2
Fabricated metal products	10.2	10.1	10.3	.1	-.1
Fabricated structural metal products ..	3.8	3.8	4.1	.0	-.3
Machinery, except electrical	21.0	20.9	20.6	.1	.4
Metalworking machinery	8.0	8.0	8.0	.0	-.1
General industrial machinery	3.1	3.1	3.0	.0	.1
Electric and electronic equipment	7.9	7.8	7.5	.1	.4
Transportation equipment	24.1	24.3	25.4	-.2	- 1.3
Motor vehicles and equipment	5.1	5.1	5.2	.0	-.1
Nondurable Goods ^f	68.4	68.2	67.8	.1	.5
Food and kindred products	14.1	14.1	13.4	.0	.7
Beverages	3.7	3.7	3.5	.0	.3
Apparel and other textile products	3.9	4.0	4.1	.0	-.1
Paper and allied products	6.1	6.0	6.1	.1	.0
Printing and publishing	13.5	13.5	13.3	.0	.2
Commercial printing	5.9	5.9	5.8	.0	.1
Chemicals and allied products	22.4 ^j	22.2 ^j	22.6	.1	-.3
Rubber and misc. plastics products	5.9	6.0	6.0	-.1	-.1
NONMANUFACTURING^g	571.3	573.7	549.3	- 2.4	22.0
CONSTRUCTION	33.7	35.0	31.2	- 1.4	2.5
TRANSPORTATION AND PUBLIC UTILITIES	38.3	38.1	36.1	.2	2.2
Trucking and warehousing	11.3	11.2	10.2	.1	1.1
Communication, electric, gas services ..	15.1	15.0	15.0	.0	.1
WHOLESALE TRADE	46.8	46.5	45.1	.3	1.7
Wholesale trade-durable goods	27.7	27.6	26.5	.1	1.2
RETAIL TRADE	138.3	136.2	132.0	2.2	6.4
General merchandise stores	20.2	19.1	19.9	1.1	.3
FINANCE, INSURANCE, AND REAL ESTATE	43.1	42.8	41.3	.2	1.7
Banking	9.4	9.4	8.9	.0	.5
Insurance carriers	14.3	14.3	14.1	.0	.3
SERVICES	179.9	178.8	173.3	1.1	6.6
Hotels and other lodging places	6.7	6.8	6.4	-.1	.3
Personal services	9.0	8.9	8.6	.1	.4
Business services	45.9	45.7	41.8	.2	4.1
Amusement and recreation services	6.3	5.4	8.1	.9	- 1.8
Health services	55.7	55.4	53.6	.3	2.1
Hospitals	26.4	26.3	25.6	.2	.9
GOVERNMENT	90.7	95.7	89.8	- 5.0	.9
Federal government	15.9	15.4	15.5	.5	.5
State government	20.5	20.4	20.2	.0	.3
State government education ^h	12.6	12.6	12.5	.0	.1
State government, except education ...	7.9	7.8	7.7	.1	.1
Local government	54.3	59.8	54.1	- 5.5	.2
Local government education	31.2	31.4	31.8	-.2	-.6
Local government, except education ...	23.1	28.4	22.3	- 5.3	.8

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$489.02	\$487.46	\$488.17	43.2	43.1	43.9	\$11.32	\$11.31	\$11.12
Durable Goods ^e	495.12	493.81	492.84	43.7	43.7	44.4	11.33	11.30	11.10
Fabricated metal products	453.58	449.12	434.17	44.6	44.6	43.9	10.17	10.07	9.89
Fabricated structural metal products ..	510.74	494.93	445.11	46.9	45.7	44.6	10.89	10.83	9.98
Machinery, except electrical	433.75	444.87	441.53	42.4	42.9	43.5	10.23	10.37	10.15
Metalworking machinery	479.45	487.82	508.19	43.0	43.4	44.5	11.15	11.24	11.42
General industrial machinery	441.94	430.40	459.19	43.8	43.3	47.0	10.09	9.94	9.77
Electric and electronic equipment	370.53	362.71	377.04	41.4	40.8	42.7	8.95	8.89	8.83
Transportation equipment	762.55	746.70	732.30	47.6	47.2	47.8	16.02	15.82	15.32
Motor vehicles and equipment	905.22	879.43	806.22	51.2	50.6	49.1	17.68	17.38	16.42
Nondurable Goods ^f	482.94	481.81	484.16	42.7	42.6	43.5	11.31	11.31	11.13
Food and kindred products	513.42	514.92	528.47	43.4	43.6	44.9	11.83	11.81	11.77
Beverages	506.72	500.53	524.17	40.7	40.3	41.7	12.45	12.42	12.57
Apparel and other textile products	240.79	241.40	223.26	39.8	39.9	39.1	6.05	6.05	5.71
Paper and allied products	438.18	446.59	425.43	42.5	43.4	42.8	10.31	10.29	9.94
Printing and publishing	457.81	441.34	484.34	40.3	39.3	42.3	11.36	11.23	11.45
Commercial printing	497.80	464.09	509.68	43.4	41.4	43.9	11.47	11.21	11.61
Chemicals and allied products	572.45	577.58	571.12	43.4	43.2	44.0	13.19	13.37	12.98
Rubber and misc. plastics products	445.54	439.89	407.97	46.8	46.5	44.2	9.52	9.46	9.23
TRANSPORTATION AND PUBLIC UTILITIES	572.42	575.28	544.56	40.8	40.8	40.1	14.03	14.10	13.58
Communication, electric, gas services ..	572.42	575.28	544.56	40.8	40.8	40.1	14.03	14.10	13.58
WHOLESALE TRADE	413.65	419.83	389.78	41.2	41.2	40.9	10.04	10.19	9.53
RETAIL TRADE ^h	171.40	167.90	168.40	29.5	28.8	29.7	5.81	5.83	5.67
FINANCE, INSURANCE, AND REAL ESTATE	262.72	262.11	258.93	.....	.....	.....	.....	.....	.....
Banking	262.72	262.11	258.93	.....	.....	.....	.....	.....	.....

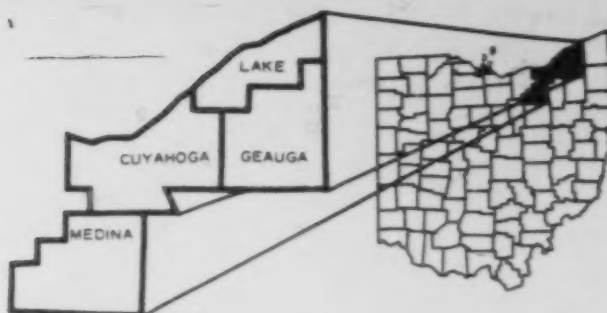
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,528	2,854	3,063
Active File of Job Seekers	17,360	20,117	21,328
Referrals to Jobs	1,374	1,758	2,155
Placements	305	377	714
Job Openings Received	522	1,000	1,060
Job Openings Unfilled	1,667	2,794	1,813
Unemployment Insurance Program			
Initial Claims	4,914	3,860	6,719
Continued Claims	30,596	29,853	49,031
First Payments	2,485	2,022	2,419
Last Payments	515	540	450
Weeks Compensated	26,292	20,724	35,862
Benefits Paid	\$3,912,244	\$3,071,802	\$5,733,261
Average Weekly Payment	\$152.80	\$151.31	\$163.15

^aOhio data only

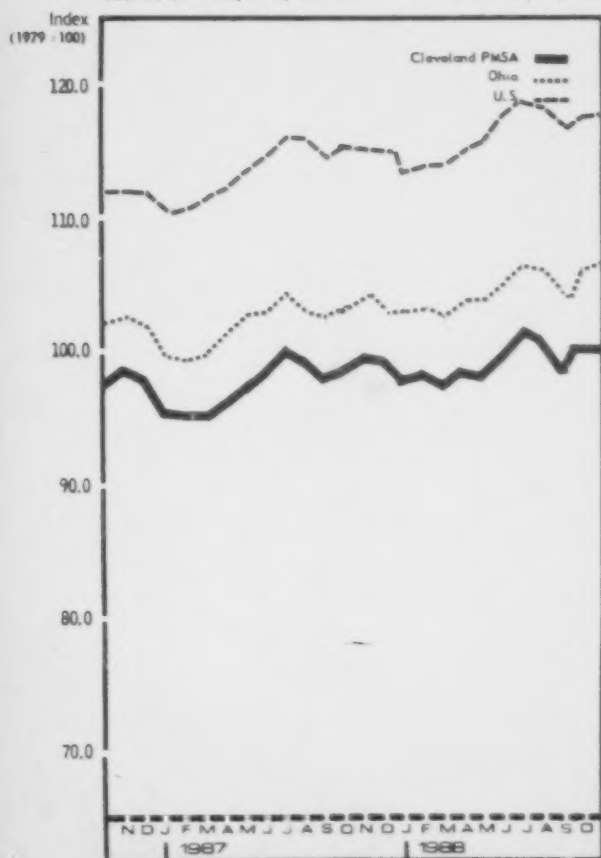
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



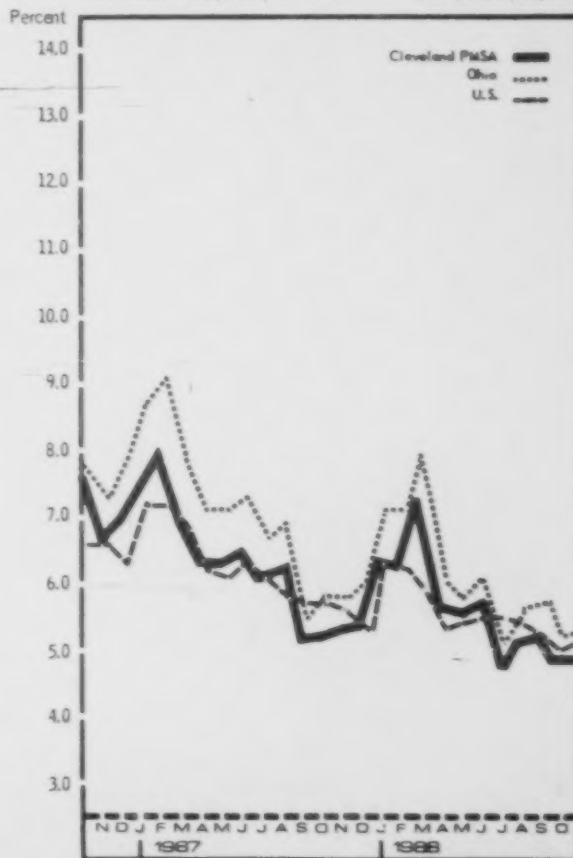
Nonagricultural payroll employment in the Cleveland metropolitan area totaled 931,400 in December 1988, down 2,300 from November. The nonmanufacturing sector declined 3,300. Seasonal gains in retail trade were more than offset by the loss of temporary election workers and reductions in construction. Manufacturing employment rose 1,000 over the month, to 207,000. Printing and publishing, chemicals and allied products, and nonelectrical machinery registered modest increases. Factory production workers averaged \$12.15 per hour, up \$.12 from November. Their average workweek was .5 hours longer at 44.4 hours.

Nonfarm wage and salary employment advanced 21,200 between December 1987 and December 1988. Significant expansion occurred in services (+9,000) and retail trade (+5,500). Noteworthy growth was also recorded in finance, insurance, and real estate and wholesale trade. Improvements in nonelectrical machinery, chemicals and allied products, transportation equipment, and rubber and miscellaneous plastics products contributed to the gain of 3,700 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

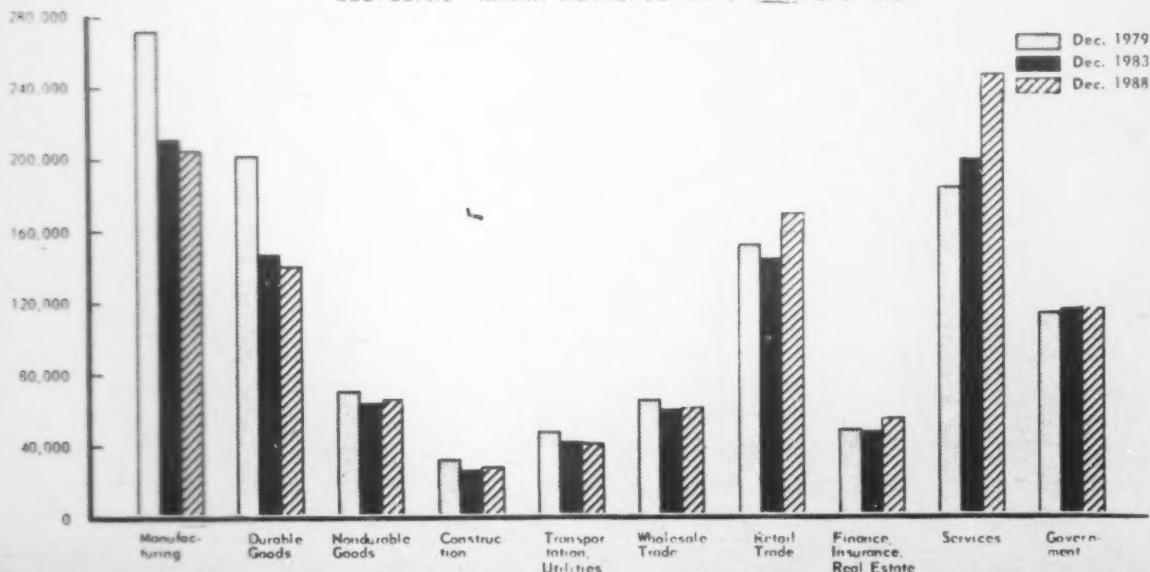


CLEVELAND PHSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total Rate				Hours and Earnings						
				Average Average Average						
				Weekly Weekly Hourly						
				Earnings Hours Earnings						
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	\$292.75	42.8	\$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	852.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
943.7	895.4	48.3	5.1	August	914.8	202.4	129.7	503.43	42.7	11.79
922.0	874.3	47.7	5.2	September	918.9	204.3	131.6	514.51	43.2	11.91
936.4	891.6	44.8	4.8	October	924.6	205.3	132.5	517.76	43.4	11.93
937.0	891.6	45.4	4.8	November	933.7	206.1	133.6	528.12	43.9	12.03
INA	INA	INA	INA	December	931.4	207.0	134.4	539.46	44.4	12.15

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

**Nonagricultural -
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	931.4	933.7	910.2	- 2.3	21.2
MANUFACTURING	207.0	206.1	203.3	1.0	3.7
Durable Goods ^e	140.6	140.3	138.3	.4	2.3
Primary metal industries	21.4	21.3	21.2	.1	.2
Iron and steel foundries	5.2	5.1	5.3	.1	.2
Fabricated metal products	33.6	33.5	33.3	.1	.3
Fabricated structural metal products ..	4.3	4.4	4.3	.0	.0
Screw machine products, bolts, etc. ..	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	11.9	11.8	11.7	.1	.3
Machinery, except electrical	30.2	30.1	29.2	.2	1.1
Construction and related machinery ...	2.7	2.6	2.6	.1	.0
Metalworking machinery	9.9	9.9	9.6	.0	.3
Special industry machinery	2.7	2.7	2.8	.0	.1
General industrial machinery	3.2	3.2	3.0	.0	.2
Electric and electronic equipment	18.0	18.1	18.0	.1	.0
Electrical industrial apparatus	6.5	6.6	6.2	.1	.3
Transportation equipment	19.8	19.7	19.3	.1	.5
Motor vehicles and equipment	12.8	12.6	12.2	.2	.5
Instruments and related products	6.3	6.3	6.5	.0	.2
Measuring and controlling devices	4.1	4.1	4.2	.0	.1
Nondurable Goods ^f	66.4	65.8	65.0	.6	1.4
Food and kindred products	7.1	7.0	7.2	.1	.1
Apparel and other textile products	4.1	4.1	3.9	.0	.2
Paper and allied products	5.7	5.6	5.8	.1	.1
Printing and publishing	16.4	16.2	16.2	.3	.2
Chemicals and allied products	15.4	15.2	14.8	.2	.6
Rubber and misc. plastics products	12.7	12.6	12.2	.1	.5
NONMANUFACTURING^g	724.4	727.7	706.9	- 3.3	17.4
CONSTRUCTION	29.5	31.2	28.7	- 1.7	.8
TRANSPORTATION AND PUBLIC UTILITIES	41.9	41.7	41.6	.2	.3
Trucking and warehousing	12.9	12.7	12.5	.3	.4
Communication, electric, gas services ..	17.5	17.5	17.7	.0	.2
WHOLESALE TRADE	62.0	61.7	60.9	.3	1.0
Wholesale trade-durable goods	42.4	42.3	42.0	.1	.4
RETAIL TRADE	168.7	164.7	163.1	3.9	5.5
General merchandise stores	24.2	23.1	23.7	1.2	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.3	55.1	.2	2.3
Banking	13.5	13.5	13.4	.0	.1
Credit agencies other than banks	8.8	8.7	8.7	.1	.1
Insurance carriers	14.7	14.6	13.8	.0	.9
SERVICES	246.3	246.3	237.3	.0	9.0
Business services	57.7	57.3	54.6	.3	3.0
Amusement and recreation services	6.8	7.2	6.9	.3	.1
Health services	77.4	77.2	75.8	.1	1.5
Hospitals	42.8	42.6	43.1	.2	.3
GOVERNMENT	117.5	123.6	119.0	- 6.2	- 1.5
Federal government	21.0	20.6	20.9	.4	.1
State government	8.4	8.1	8.4	.4	.0
State government education ^h	3.4	3.1	3.4	.3	.1
State government, except education ...	5.1	5.0	5.0	.1	.1
Local government	88.0	95.0	89.6	- 6.9	- 1.6
Local government education	44.6	45.0	46.1	.5	- 1.6
Local government, except education ...	43.5	50.0	43.5	- 6.5	.0

Hours & Earnings of Production or Nonsupervisory Workers^a

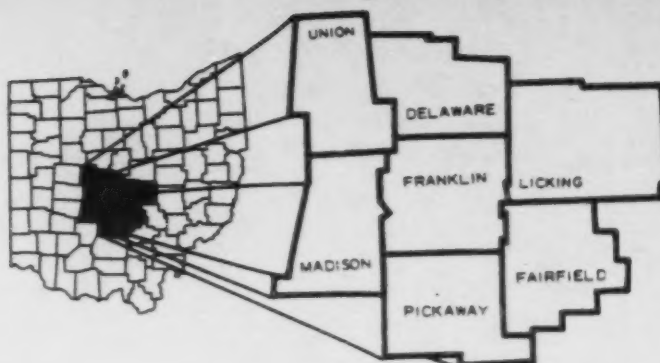
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$539.46	\$528.12	\$513.04	44.4	43.9	44.0	\$12.15	\$12.03	\$11.66
Durable Goods ^e	581.40	569.97	550.80	45.6	45.2	45.0	12.75	12.61	12.24
Primary metal industries	627.49	603.01	588.94	47.9	47.0	46.3	13.10	12.83	12.72
Iron and steel foundries	996.74	933.34	767.45	54.2	52.2	45.6	18.39	17.88	16.83
Fabricated metal products	591.56	571.87	569.48	46.0	45.1	46.0	12.86	12.68	12.38
Fabricated structural metal products	438.77	421.60	409.49	43.4	42.5	41.7	10.11	9.92	9.82
Screw machine products, bolts, etc. ..	590.24	566.41	555.12	47.6	46.2	49.3	12.40	12.26	11.26
Metal forgings and stampings	757.29	738.51	724.59	48.7	48.3	48.5	15.55	15.29	14.94
Machinery, except electrical	544.00	545.22	501.56	44.7	44.8	43.5	12.17	12.17	11.53
Construction and related machinery ..	408.83	394.40	461.65	43.4	42.5	48.8	9.42	9.28	9.46
Metalworking machinery	489.47	487.21	444.64	42.6	42.7	41.4	11.49	11.41	10.74
Special industry machinery	508.52	478.08	498.80	43.8	41.5	40.0	11.61	11.52	12.47
General industrial machinery	524.25	527.52	515.97	46.6	47.1	45.3	11.25	11.20	11.39
Electric and electronic equipment	453.60	453.60	462.60	41.5	41.5	43.6	10.93	10.93	10.61
Electrical industrial apparatus	517.88	511.43	477.99	44.0	43.6	42.3	11.77	11.73	11.30
Transportation equipment	774.89	760.50	722.61	48.1	47.8	46.5	16.11	15.91	15.54
Motor vehicles and equipment	860.93	845.70	786.61	49.0	48.8	46.6	17.57	17.33	16.88
Instruments and related products	421.31	418.47	430.65	42.3	42.1	43.5	9.96	9.94	9.90
Measuring and controlling devices	465.48	457.10	453.79	43.3	42.6	44.1	10.75	10.73	10.29
Non-durable Goods^f	439.30	428.22	421.41	41.6	40.9	41.6	10.56	10.47	10.13
Food and kindred products	453.88	421.87	378.21	43.6	41.4	42.4	10.41	10.19	8.92
Apparel and other textile products	336.20	329.16	331.14	39.6	39.0	39.8	8.49	8.44	8.32
Paper and allied products	481.50	478.26	487.03	42.2	42.1	43.1	11.41	11.36	11.30
Printing and publishing	422.35	400.00	404.90	38.5	36.9	38.7	10.97	10.84	10.46
Chemicals and allied products	528.18	530.96	523.20	43.4	43.7	43.6	12.17	12.15	12.00
Rubber and misc. plastics products	388.20	390.76	385.71	42.8	42.8	43.0	9.07	9.13	8.97
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	597.14	612.13	584.22	40.9	41.5	41.2	14.60	14.75	14.18
WHOLESALE TRADE	436.39	429.66	406.06	39.6	39.6	39.5	11.02	10.85	10.28
RETAIL TRADE^h	192.38	186.09	183.10	28.8	27.9	28.3	6.68	6.67	6.47
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	306.70	297.21	299.30	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	346.16	345.07	341.15	31.7	31.6	31.5	10.92	10.92	10.83

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	4,092	4,297	4,928
Active File of Job Seekers	53,156	54,051	59,036
Referrals to Jobs	1,380	1,859	1,468
Placements	363	359	335
Job Openings Received	917	942	926
Job Openings Unfilled	3,240	3,582	2,336
Unemployment Insurance Program			
Initial Claims	10,108	7,125	11,059
Continued Claims	54,538	46,202	73,669
First Payments	4,910	3,022	4,212
Last Payments	808	842	959
Weeks Compensated	44,866	33,530	52,695
Benefits Paid	\$6,833,160	\$5,103,578	\$7,728,878
Average Weekly Payment	\$157.12	\$155.74	\$149.48

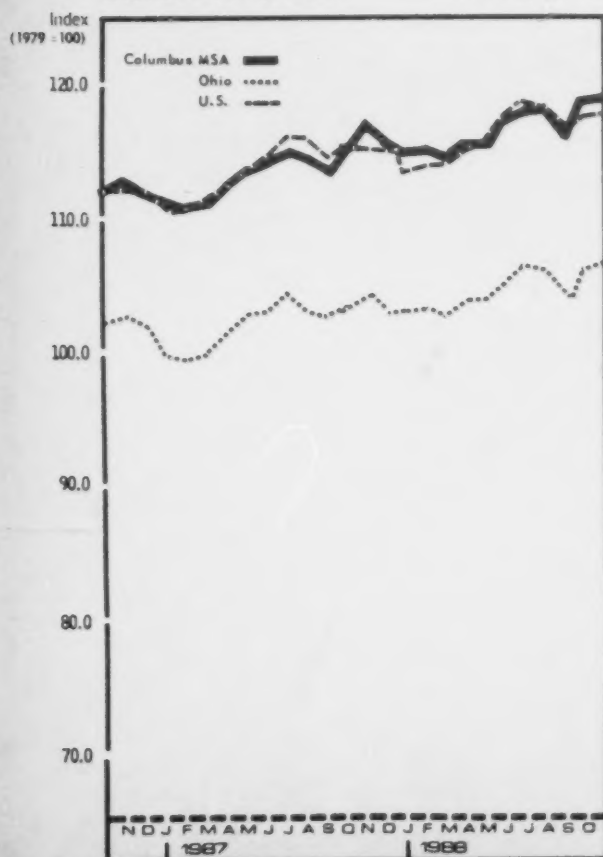
COLUMBUS METROPOLITAN STATISTICAL AREA



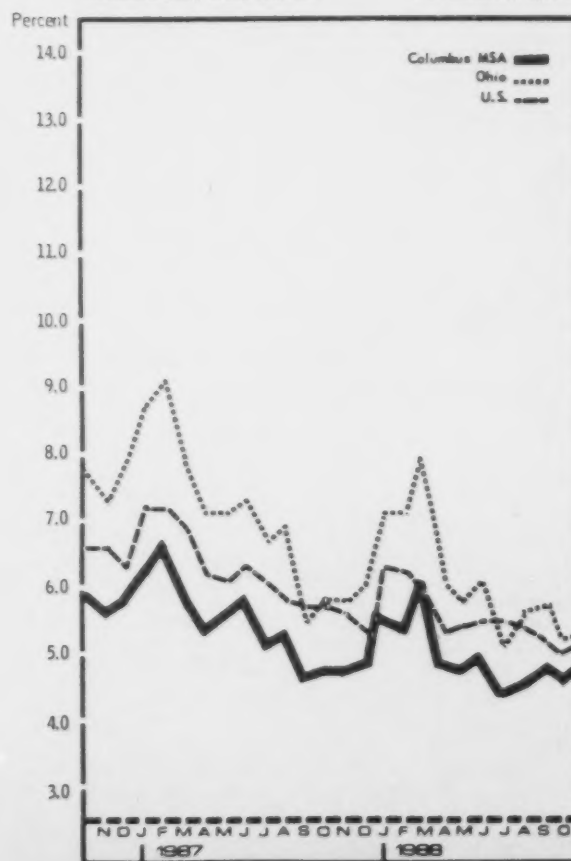
Nonfarm wage and salary employment in the Columbus metropolitan area decreased 1,300 from November, to 701,400 in December 1988. Nonmanufacturing employment declined 1,600. The loss of temporary election workers and reductions in construction outweighed seasonal gains in retail trade. More business in transportation equipment and scattered improvements in nondurable goods increased manufacturing employment 300, to 104,700. Factory production worker average hourly earnings, at \$11.72, increased \$.04 from November. Their average workweek was .1 hours shorter at 42.0 hours.

Nonagricultural payroll employment advanced 25,000 between December 1987 and December 1988. The improvement was concentrated in the nonmanufacturing sector. Significant expansion occurred in services and retail trade. Gains were also noted in government, construction, wholesale trade, and finance, insurance, and real estate. Manufacturing industries added 2,400 jobs over the year with growth in transportation equipment, rubber and miscellaneous plastics products, fabricated metal products, and printing and publishing.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

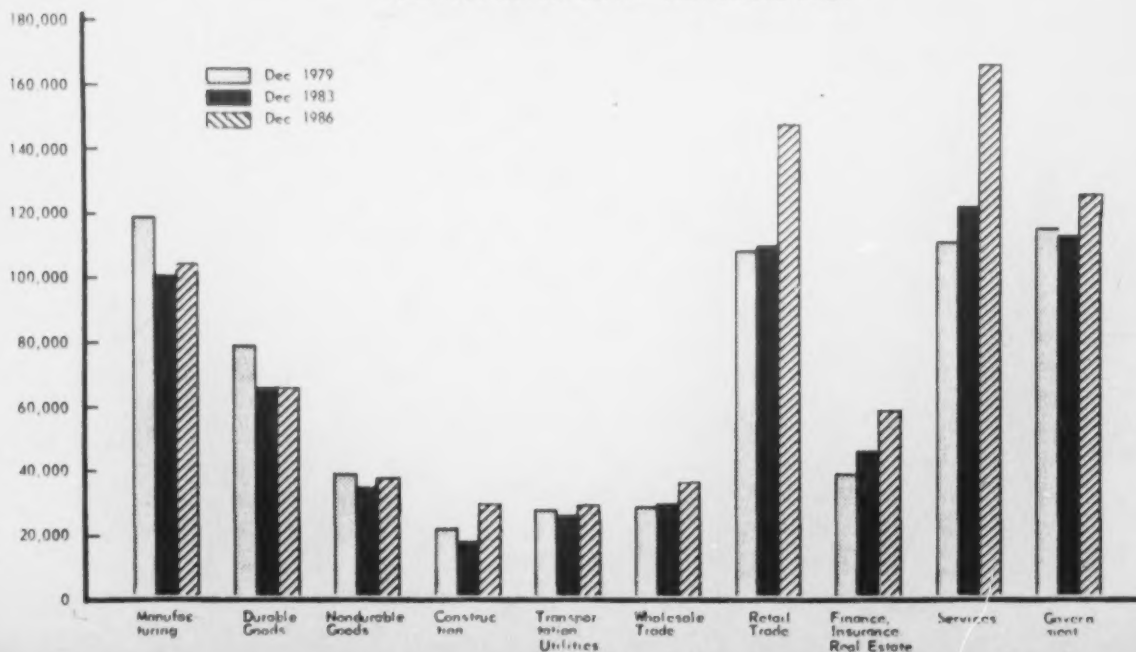


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment					
Total Employed				Manufacturing Employment					
Unemployed				Manufacturing Production Workers					
Total Rate				Hours and Earnings					
				Average Weekly Earnings Average Weekly Hours Average Hourly Earnings					
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5
				1987					
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9
				1988					
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5
713.2	682.7	30.4	4.3	July	678.4	102.9	67.0	475.45	41.2
714.3	682.1	32.2	4.5	August	680.0	103.2	67.3	471.65	40.8
701.7	669.0	32.7	4.7	September	686.7	104.2	67.9	481.48	41.4
718.0	685.8	32.2	4.5	October	694.7	104.2	67.8	486.22	41.7
722.5	688.1	34.3	4.8	November	702.7	104.4	67.9	489.39	41.9
INA	INA	INA	INA	December	701.4	104.7	68.0	492.24	42.0

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	701.4	702.7	676.4	- 1.3	25.0
MANUFACTURING	104.7	104.4	102.3	.3	2.4
Durable Goods ^e	66.1	66.0	64.5	.1	1.6
Stone, clay, and glass products	10.0	10.2	10.3	-.2	-.3
Glass and glassware, pressed or blown	3.7	3.8	3.8	-.2	-.2
Fabricated metal products	9.9	9.8	9.5	.0	.4
Fabricated structural metal products	2.9	2.9	2.8	.0	.1
Machinery, except electrical	9.1	9.2	9.2	.0	.0
Electric and electronic equipment	10.8	10.9	11.0	-.1	-.2
Transportation equipment	13.7	13.5	12.6	.2	1.1
Instruments and related products	4.2	4.1	4.1	.1	.1
Nondurable Goods ^f	38.7	38.5	37.9	.2	.8
Food and kindred products	10.6	10.6	10.5	.1	.1
Printing and publishing	10.7	10.7	10.4	.0	.3
Chemicals and allied products	6.6	6.7	6.7	.0	.1
Rubber and misc. plastics products	6.0	5.9	5.4	.1	.5
NONMANUFACTURING^g	596.7	598.3	574.0	- 1.6	22.6
CONSTRUCTION	30.3	31.4	28.2	- 1.1	2.2
TRANSPORTATION AND PUBLIC UTILITIES	29.6	29.3	28.8	.3	.8
Trucking and warehousing	12.8	12.5	12.3	.4	.5
Communication, electric, gas services ..	11.6	11.7	11.7	.0	.1
WHOLESALE TRADE	36.6	36.4	34.8	.2	1.8
Wholesale trade-durable goods	23.5	23.4	22.5	.1	.9
RETAIL TRADE	147.1	144.2	141.1	2.9	6.0
General merchandise stores	24.7	23.6	25.3	1.1	-.6
FINANCE, INSURANCE, AND REAL ESTATE	59.7	59.7	58.3	.0	1.4
Banking	12.2	12.2	11.9	.1	.3
Insurance carriers	23.6	23.6	23.0	.0	.6
SERVICES	166.2	166.6	158.3	-.4	7.9
Business services	39.7	39.4	36.7	.3	3.0
Health services	42.0	41.9	40.3	.1	1.7
Hospitals	18.5	18.6	17.8	.0	.7
GOVERNMENT	126.1	129.6	123.5	- 3.5	2.5
Federal government	15.1	15.0	15.7	.1	-.6
State government	57.0	55.8	55.5	1.2	1.5
State government education ^h	25.4	24.4	24.9	1.1	.5
State government, except education ...	31.6	31.4	30.6	.2	1.0
Local government	54.0	58.8	52.4	- 4.8	1.6
Local government education	33.2	33.2	31.6	.0	1.6
Local government, except education ...	20.8	25.7	20.7	- 4.9	.1

Hours & Earnings of Production or Nonsupervisory Workers^a

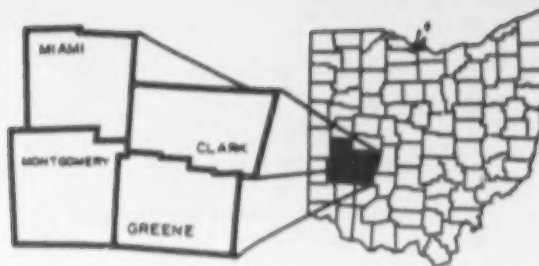
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$492.24	\$489.39	\$475.57	42.0	41.9	41.9	\$11.72	\$11.68	\$11.35
Durable Goods ^e	496.58	492.13	481.12	41.8	41.6	41.8	11.88	11.83	11.51
Stone, clay, and glass products	472.46	482.98	473.85	40.8	41.6	40.5	11.58	11.61	11.70
Glass and glassware, pressed or blown	420.90	444.96	428.41	39.3	41.2	38.7	10.71	10.80	11.07
Fabricated metal products	530.03	531.30	517.02	42.2	42.2	42.0	12.56	12.59	12.31
Fabricated structural metal products	456.50	460.62	483.56	41.5	41.2	44.0	11.00	11.18	10.99
Machinery, except electrical	496.51	457.71	455.57	43.9	41.8	43.1	11.31	10.95	10.57
Electric and electronic equipment	454.80	450.72	444.11	40.0	40.1	40.3	11.37	11.24	11.02
Transportation equipment	581.52	576.42	589.58	42.2	41.8	43.9	13.78	13.79	13.43
Instruments and related products	411.18	410.27	410.00	38.5	38.2	40.0	10.68	10.74	10.25
Non-durable Goods ^f	483.78	484.36	464.36	42.4	42.6	42.1	11.41	11.37	11.03
Food and kindred products	460.96	458.17	457.80	42.8	42.7	42.0	10.77	10.73	10.90
Printing and publishing	584.25	575.51	556.00	41.0	40.5	41.4	14.25	14.21	13.43
Chemicals and allied products	601.04	599.62	555.13	44.0	43.8	43.1	13.66	13.69	12.88
Rubber and misc. plastics products	355.63	372.81	352.79	41.4	43.0	42.2	8.59	8.67	8.36
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	573.87	585.45	582.08	40.7	41.2	41.4	14.10	14.21	14.06
WHOLESALE TRADE	369.31	358.15	346.63	37.8	37.7	37.8	9.77	9.50	9.17
RETAIL TRADE ^h	192.57	187.20	193.15	29.4	28.8	29.9	6.55	6.50	6.46
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	269.05	271.13	253.60	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	351.15	350.48	337.76	33.7	33.7	34.5	10.42	10.40	9.79

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	5,057	4,576	4,516
Active File of Job Seekers	26,829	28,286	30,880
Referrals to Jobs	1,483	2,005	1,845
Placements	562	634	578
Job Openings Received	891	1,106	1,080
Job Openings Unfilled	1,640	1,943	1,997
Unemployment Insurance Program			
Initial Claims	6,009	4,760	7,364
Continued Claims	36,959	34,731	47,664
First Payments	3,258	2,529	2,835
Last Payments	481	500	584
Weeks Compensated	31,714	25,377	36,977
Benefits Paid	\$4,970,309	\$3,979,109	\$5,811,787
Average Weekly Payment	\$162.38	\$161.21	\$160.41

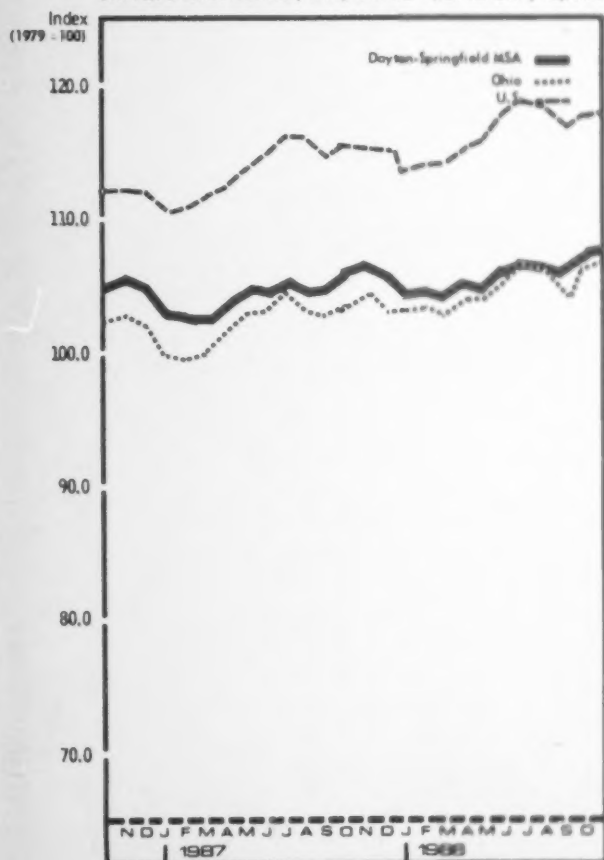
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



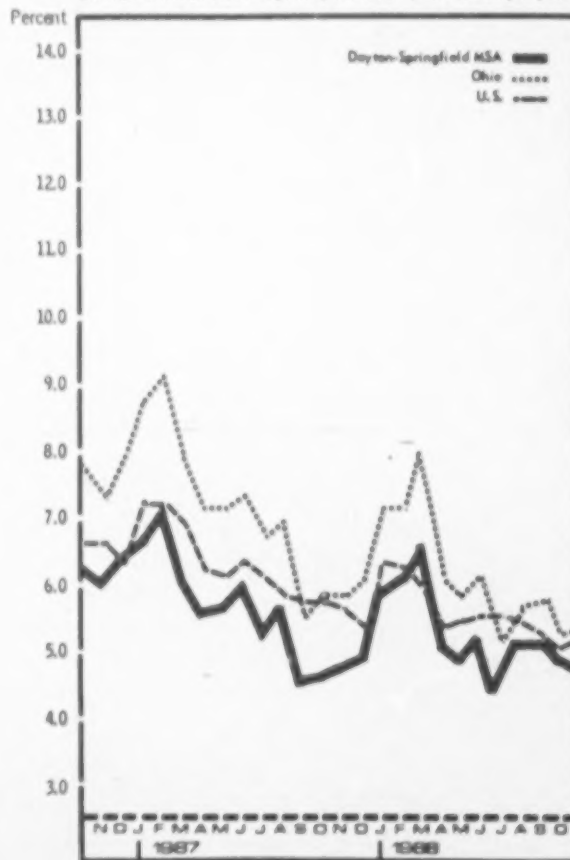
In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 449,200 in December 1988, down 2,100 from November. The decline was concentrated in the nonmanufacturing sector. The loss of temporary election workers and less business in construction more than offset seasonal gains in retail trade. Manufacturing employment increased 100, to 104,000. Factory production worker average hourly earnings, at \$12.96, dropped \$.06 from November. Their average workweek of 44.7 hours was .1 hours longer.

Nonagricultural wage and salary employment advanced 13,300 between December 1987 and December 1988. Primary growth industries were services, retail trade, and construction. The manufacturing workforce rose 800 with marked expansion in nonelectrical machinery. Employment in printing and publishing and rubber and miscellaneous plastics products declined.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

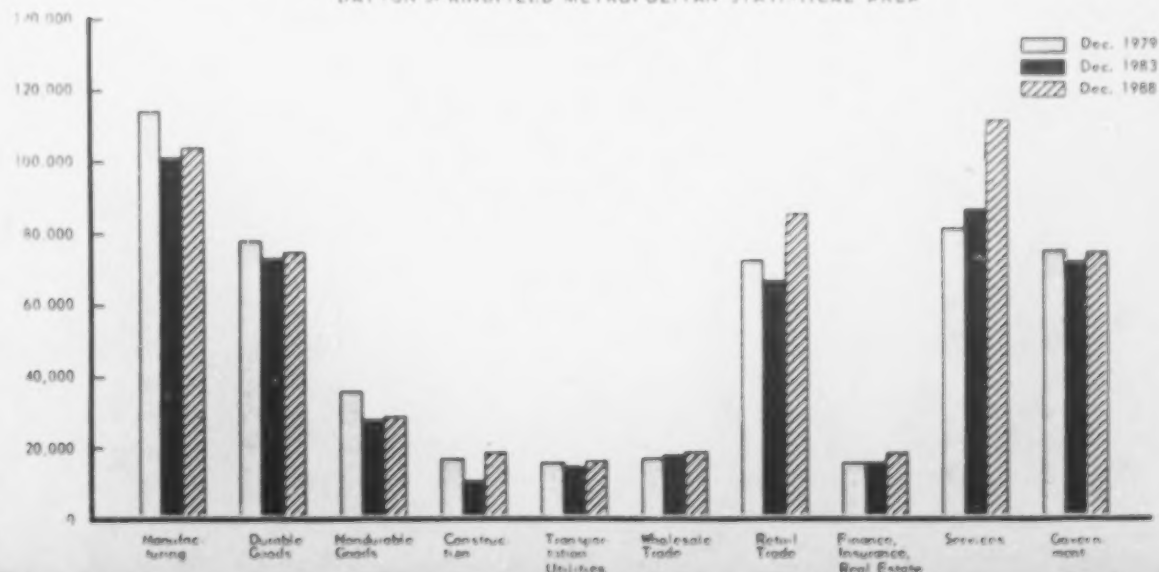


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate		Hours and Earnings					
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
467.8	445.3	22.6	4.8	1987						
464.0	440.4	23.6	5.1	November	436.6	103.6	67.0	512.83	42.7	12.01
				December	435.9	103.2	66.5	517.02	42.8	12.08
463.7	436.1	27.6	5.9	1988						
465.9	437.2	28.6	6.1	January	427.4	102.4	65.4	507.24	42.2	12.02
466.3	435.8	30.6	6.6	February	426.9	101.9	65.0	516.86	42.4	12.19
462.8	439.8	22.9	5.0	March	430.6	102.5	65.6	539.14	43.2	12.48
459.9	438.0	21.9	4.8	April	434.2	103.0	66.2	546.45	43.3	12.62
467.0	442.8	24.2	5.2	May	437.3	103.2	66.4	551.06	43.7	12.61
466.3	445.5	20.7	4.4	June	439.0	103.5	66.3	559.24	44.0	12.71
468.2	444.5	23.8	5.1	July	433.7	103.4	66.0	525.34	42.4	12.39
465.3	441.4	23.9	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
472.2	449.5	22.7	4.8	September	443.8	104.0	66.9	552.41	43.6	12.67
472.7	450.7	22.1	4.7	October	445.9	103.4	66.5	573.69	44.3	12.95
				November	451.3	103.9	67.0	580.69	44.6	13.02
INA	INA	INA	INA	December	449.2	104.0	67.1	579.31	44.7	12.96

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton - Springfield MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	449.2	451.3	435.9	- 2.1	13.3
MANUFACTURING	104.0	103.9	103.2	.1	.8
Durable Goods ^e	75.2	75.1	74.0	.1	1.2
Fabricated metal products	8.3	8.2	8.3	.1	.0
Machinery, except electrical	31.2	31.2	30.3	.0	.9
Metalworking machinery	6.7	6.6	6.6	.1	.1
General industrial machinery	2.9	2.9	2.7	.0	.1
Electric and electronic equipment	5.7	5.7	5.7	.0	.1
Electrical industrial apparatus	3.4	3.4	3.4	.0	.0
Transportation equipment	20.3	20.2	20.4	.1	.1
Nondurable Goods ^f	28.8	28.8	29.2	.0	.4
Food and kindred products	2.9	2.8	2.8	.1	.1
Paper and allied products	6.0	6.0	6.0	.0	.0
Printing and publishing	8.6	8.6	8.7	.1	.2
Rubber and misc. plastics products	7.8	7.7	8.0	.0	.2
NONMANUFACTURING ^g	345.2	347.4	332.7	- 2.2	12.5
CONSTRUCTION	19.0	19.7	17.0	.8	2.0
TRANSPORTATION AND PUBLIC UTILITIES	16.0	15.9	15.4	.1	.6
Communication, electric, gas services ..	5.0	5.1	5.4	.0	.3
WHOLESALE TRADE	19.6	19.5	18.9	.1	.8
Wholesale trade-durable goods	12.8	12.8	12.5	.1	.3
RETAIL TRADE	85.7	84.2	82.4	1.6	3.3
General merchandise stores	13.7	13.0	13.9	.7	.2
FINANCE, INSURANCE, AND REAL ESTATE	18.4	18.3	17.8	.1	.6
Banking	4.2	4.2	4.2	.0	.1
Credit agencies other than banks	4.7	4.7	4.7	.1	.0
Insurance carriers	2.8	2.8	2.8	.0	.0
SERVICES	111.4	111.5	106.3	.0	5.2
Business services	28.4	28.3	26.4	.0	2.0
Health services	36.9	36.9	36.2	.0	.7
Hospitals	18.7	18.7	18.6	.0	.1
Educational services	8.7	9.0	7.9	.2	.8
GOVERNMENT	74.7	77.8	74.5	- 3.2	.1
Federal government	28.0	28.0	28.5	.1	.4
State government	7.4	7.4	7.3	.0	.1
State government education ^h	4.6	4.5	4.5	.0	.1
State government, except education ...	2.9	2.9	2.9	.0	.0
Local government	39.2	42.5	38.7	- 3.3	.5
Local government education	24.1	24.3	24.2	.2	.1
Local government, except education ...	15.1	18.2	14.6	- 3.1	.5

Hours & Earnings of Production or Nonsupervisory Workers^a

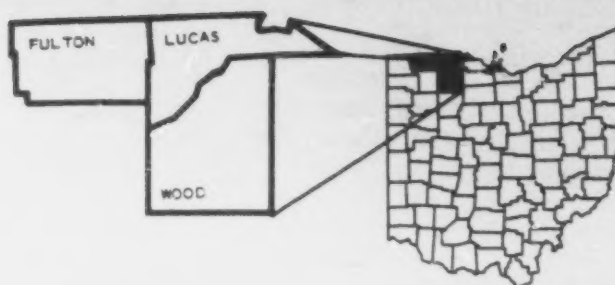
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$579.31	\$580.69	\$517.02	44.7	44.6	42.8	\$12.96	\$13.02	\$12.08
Durable Goods ^e	589.54	597.54	521.30	44.9	45.2	42.8	13.13	13.22	12.18
Fabricated metal products	412.90	391.52	402.69	43.1	41.3	43.3	9.58	9.48	9.30
Machinery, except electrical	626.06	621.92	564.99	46.0	46.0	43.9	13.61	13.52	12.87
Metalworking machinery	594.23	587.17	563.58	47.5	47.2	46.5	12.51	12.44	12.12
General industrial machinery	565.47	513.88	509.81	47.8	44.3	45.6	11.83	11.60	11.18
Electric and electronic equipment	471.04	469.20	460.29	46.0	46.0	47.6	10.24	10.20	9.67
Electrical industrial apparatus	576.18	576.18	527.42	49.5	49.5	49.2	11.64	11.64	10.72
Transportation equipment	747.20	785.18	608.85	45.7	47.3	41.0	16.35	16.60	14.85
Non-durable Goods ^f	546.12	531.15	504.61	43.9	42.8	42.8	12.44	12.41	11.79
Food and kindred products	397.27	376.47	353.18	43.8	42.3	41.6	9.07	8.90	8.49
Paper and allied products	541.69	493.27	525.34	47.6	44.2	47.2	11.38	11.16	11.13
Printing and publishing	442.71	448.37	426.09	38.8	39.4	38.7	11.41	11.38	11.01
Rubber and misc. plastics products	737.81	737.81	634.69	44.5	44.5	42.2	16.58	16.58	15.04
TRANSPORTATION AND PUBLIC UTILITIES	547.83	565.56	544.71	39.9	40.6	40.2	13.73	13.93	13.55
Communication, electric, gas services ..	547.83	565.56	544.71	39.9	40.6	40.2	13.73	13.93	13.55
WHOLESALE TRADE	408.85	404.59	420.24	40.4	39.9	40.8	10.12	10.14	10.30
RETAIL TRADE ^h	169.35	163.54	162.17	28.9	28.1	28.5	5.86	5.82	5.69
SERVICES	359.81	356.71	375.18	34.3	34.2	34.9	10.49	10.43	10.75
Health services	359.81	356.71	375.18	34.3	34.2	34.9	10.49	10.43	10.75
Hospitals	359.81	356.71	375.18	34.3	34.2	34.9	10.49	10.43	10.75

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. ^jExcludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^kDepressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,313	2,852	2,812
Active File of Job Seekers	10,797	11,787	18,778
Referrals to Jobs	923	1,518	1,563
Placements	261	374	734
Job Openings Received	469	677	1,028
Job Openings Unfilled	1,343	1,822	1,925
Unemployment Insurance Program			
Initial Claims	5,376	3,134	5,318
Continued Claims	23,262	20,362	30,010
First Payments	2,074	1,304	2,033
Last Payments	320	288	453
Weeks Compensated	20,043	14,910	22,919
Benefits Paid	\$2,846,918	\$2,094,336	\$3,202,788
Average Weekly Payment	\$147.30	\$143.67	\$142.97

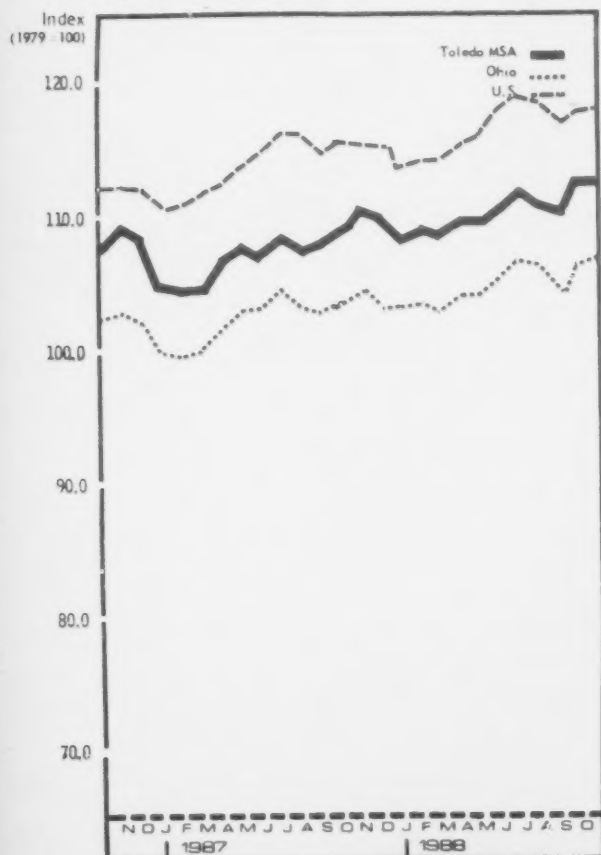
TOLEDO METROPOLITAN STATISTICAL AREA



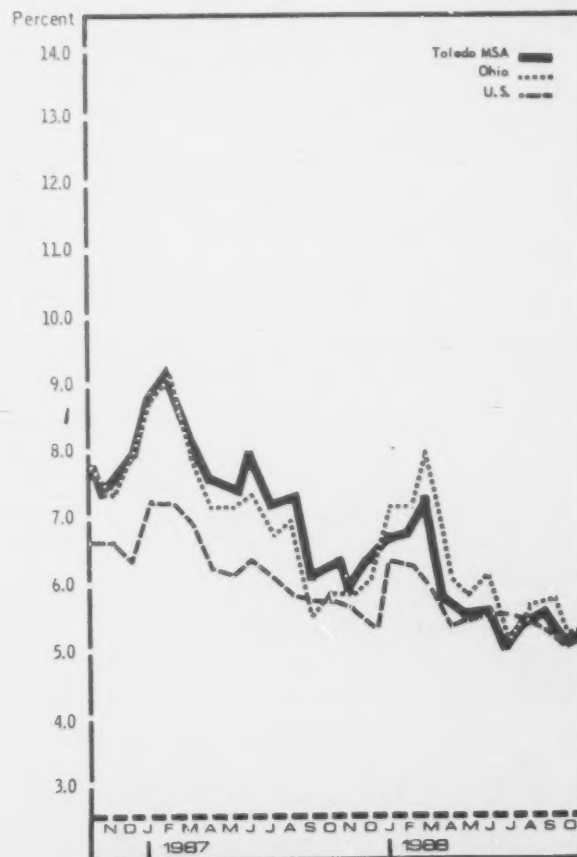
Total nonfarm payroll employment in the Toledo metropolitan area was 293,100 in December 1988, down 1,600 from November. Nonmanufacturing employment declined 1,400. The loss of temporary election workers and less business in construction negated seasonal gains in retail trade. Reductions in stone, clay, and glass products and rubber and miscellaneous plastics products lowered manufacturing employment 200, to 62,600. Factory production workers averaged \$13.48 per hour, up \$.05 from November. Their average workweek of 45.3 hours was .2 hours longer.

Nonagricultural wage and salary employment advanced 9,500 between December 1987 and December 1988. Significant expansion occurred in services and retail trade. Manufacturing employment increased 100 over the year. Modest growth was recorded in fabricated metal products, primary metal industries, nonelectrical machinery, and food and kindred products. Employment in electric and electronic equipment and transportation equipment declined.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

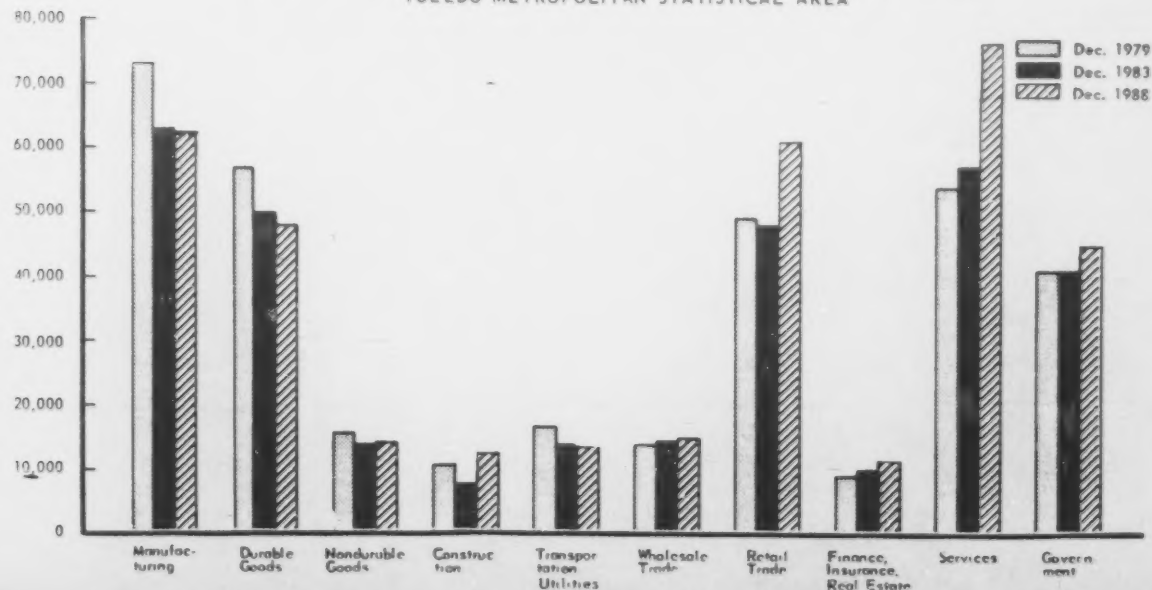


TOLEDO NSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total Rate				Hours and Earnings						
				Average Weekly Earnings Average Weekly Hours Average Hourly Earnings						
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
314.1	297.2	16.9	5.4	August	288.2	63.3	45.3	549.95	42.5	12.94
312.7	295.0	17.7	5.6	September	294.7	63.6	45.6	586.49	44.6	13.15
317.0	300.8	16.2	5.1	October	296.6	62.9	44.9	585.64	44.4	13.19
317.9	300.9	17.0	5.3	November	299.7	62.7	44.8	605.69	45.1	13.43
INA	INA	INA	INA	December	298.1	62.6	44.7	610.64	45.3	13.48

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	298.1	299.7	288.6	- 1.6	9.5
MANUFACTURING	62.6	62.7	62.5	- .2	.1
Durable Goods ^e	48.1	48.2	48.0	- .1	.0
Stone, clay, and glass products	8.1	8.2	8.1	- .1	.0
Primary metal industries	3.6	3.6	3.4	.0	.2
Fabricated metal products	7.8	7.8	7.5	.0	.3
Metal forgings and stampings	3.2	3.3	3.3	- .1	- .1
Machinery, except electrical	6.2	6.3	6.1	.0	.2
Electric and electronic equipment	2.1	2.1	2.5	.0	- .4
Transportation equipment	15.4	15.4	15.8	.0	- .4
Motor vehicles and equipment	14.4	14.4	14.8	.0	- .4
Nondurable Goods ^f	14.5	14.5	14.4	.0	.0
Food and kindred products	3.9	3.9	3.8	.0	.2
Rubber and misc. plastics products	3.0	3.1	3.0	- .1	.0
NONMANUFACTURING ^g	235.6	237.0	226.1	- 1.4	9.5
CONSTRUCTION	12.8	13.5	11.4	- .7	1.4
TRANSPORTATION AND PUBLIC UTILITIES	14.0	13.9	14.0	.1	.0
Trucking and warehousing	5.7	5.6	5.7	.1	.0
Communication, electric, gas services ..	5.0	5.0	5.0	.0	.0
WHOLESALE TRADE	15.3	15.2	14.9	.1	.4
Wholesale trade-durable goods	10.1	10.1	9.8	.0	.3
RETAIL TRADE	60.9	59.5	57.9	1.3	2.9
General merchandise stores	9.0	8.6	8.6	.4	.4
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.4	11.5	.0	- .1
Banking	3.6	3.6	3.6	.0	.1
SERVICES	76.1	76.2	72.5	- .1	3.6
Business services	16.8	16.7	15.6	.1	1.2
Health services	27.7	27.7	27.2	.1	.5
Hospitals	15.2	15.3	15.2	.0	.0
GOVERNMENT	44.8	47.0	43.6	- 2.2	1.2
State government	16.6	17.0	16.2	- .3	.4
State government education ^h	12.5	12.8	12.2	- .3	.3
State government, except education ...	4.1	4.2	4.0	.0	.1
Local government	25.6	27.4	24.8	- 1.9	.8
Local government education	14.9	14.6	14.4	.2	.5
Local government, except education ...	10.7	12.8	10.4	- 2.1	.3

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

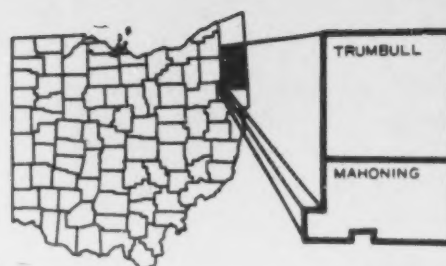
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$610.64	\$605.69	\$556.84	45.3	45.1	43.3	\$13.48	\$13.43	\$12.86
Durable Goods ^e	635.70	629.24	579.39	45.8	45.4	43.4	13.88	13.86	13.35
Stone, clay, and glass products	521.24	509.52	536.34	40.5	39.9	42.0	12.87	12.77	12.77
Primary metal industries	503.25	501.48	491.63	44.3	44.3	43.7	11.36	11.32	11.25
Fabricated metal products	558.27	532.67	579.46	46.1	44.8	45.2	12.11	11.89	12.82
Metal forgings and stampings	699.66	635.54	774.95	46.0	43.8	49.9	15.21	14.51	15.53
Machinery, except electrical	539.66	521.67	545.22	44.6	43.4	44.8	12.10	12.02	12.17
Electric and electronic equipment	581.53	581.76	457.46	46.3	45.7	38.9	12.56	12.73	11.76
Transportation equipment	851.16	855.60	684.56	49.4	49.6	43.0	17.23	17.25	15.92
Motor vehicles and equipment	861.06	867.26	688.86	49.6	49.9	43.0	17.36	17.38	16.02
Nondurable Goods ^f	522.33	523.47	472.86	43.6	44.1	42.6	11.98	11.87	11.10
Food and kindred products	671.08	674.84	526.25	47.9	48.1	43.1	14.01	14.03	12.21
Rubber and misc. plastics products	352.10	356.07	347.77	40.8	41.5	41.5	8.63	8.58	8.38
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	603.83	604.66	622.03	41.5	41.5	42.2	14.55	14.57	14.74
WHOLESALE TRADE	395.01	393.22	367.86	39.9	39.8	38.6	9.90	9.88	9.53
RETAIL TRADE ^h	162.73	158.75	164.87	28.6	27.9	29.6	5.69	5.69	5.57

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	2,046	2,089	2,084
Active File of Job Seekers	16,456	17,278	16,555
Referrals to Jobs	1,056	1,439	1,094
Placements	401	584	492
Job Openings Received	417	924	425
Job Openings Unfilled	854	1,838	771
Unemployment Insurance Program			
Initial Claims	4,108	3,015	5,111
Continued Claims	19,822	17,897	25,589
First Payments	1,724	1,131	1,596
Last Payments	261	214	359
Weeks Compensated	16,925	12,764	17,359
Benefits Paid	\$2,523,288	\$1,904,313	\$2,506,149
Average Weekly Payment	\$155.48	\$154.01	\$148.55

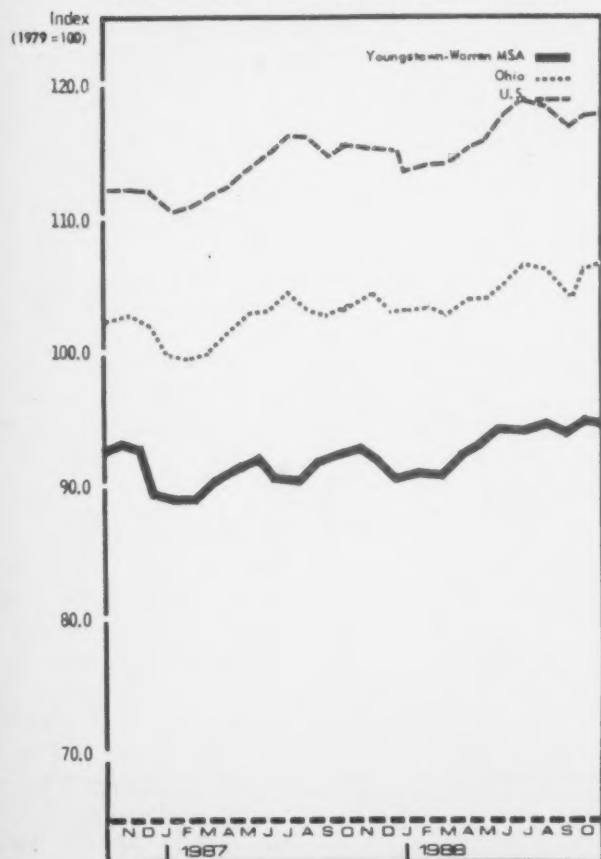
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



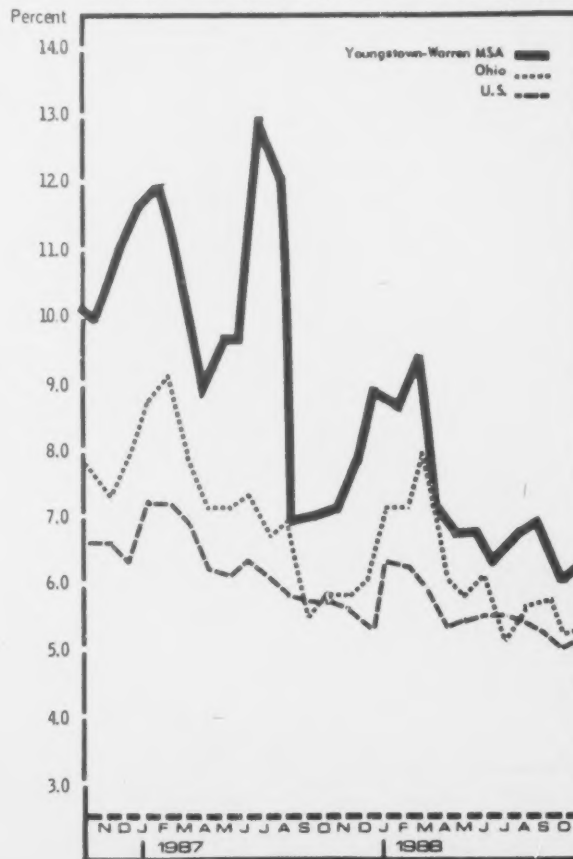
Nonfarm payroll employment in the Youngstown-Warren metropolitan area totaled 196,900 in December 1988, down 3,500 from November. The loss of temporary election workers and less business in construction lowered nonmanufacturing employment 1,600. The manufacturing workforce declined 1,900 due to a temporary shutdown for model changeovers in transportation equipment. Factory production worker average hourly earnings, at \$13.62, dropped \$.06 from November. Their average workweek of 43.0 hours was .4 hours shorter.

Nonagricultural wage and salary employment advanced 5,400 between December 1987 and December 1988. The improvement was concentrated in the nonmanufacturing sector, especially in retail trade and services. Modest growth was also noted in construction and wholesale trade. Manufacturing employment rose 200 over the year. A noteworthy gain was registered in primary metal industries, while employment in transportation equipment declined.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

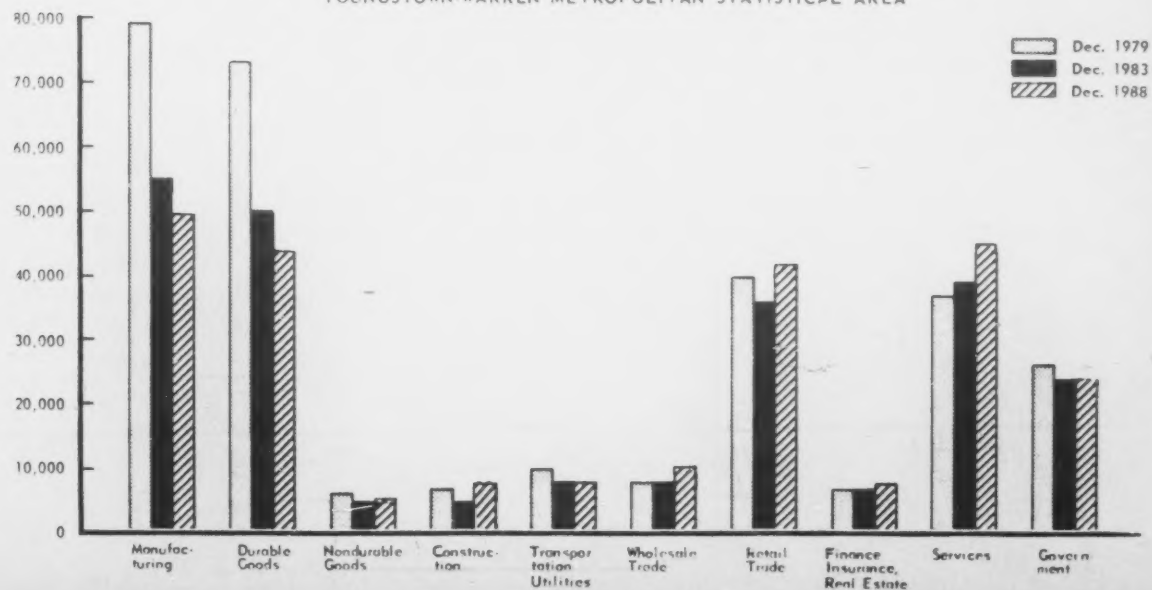


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total Rate				Hours and Earnings						
				Average Weekly Earnings Average Weekly Hours Average Hourly Earnings						
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	\$313.50	40.4	\$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	194.5	49.9	37.8	557.44	41.6	13.40
221.2	205.8	15.4	7.0	September	198.3	51.4	39.4	589.81	43.4	13.59
222.2	208.8	13.4	6.0	October	198.7	51.3	39.2	586.09	43.0	13.63
222.8	208.7	14.1	6.3	November	200.4	51.5	39.3	593.71	43.4	13.68
INA	INA	INA	INA	December	196.9	49.6	37.5	585.66	43.0	13.62

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	December 1988 ^b	November 1988 ^c	December 1987 ^c	From Last Month	From Last Year
TOTAL	196.9	200.4	191.5	- 3.5	5.4
MANUFACTURING	49.6	51.5	49.4	- 1.9	.2
Durable Goods ^e	44.1	46.0	44.3	- 1.8	-.1
Primary metal industries	19.4	19.3	18.3	.1	1.0
Blast furnace and basic steel products	5.5	5.5	5.6	.0	-.1
Fabricated metal products	7.7	7.7	7.5	.0	.3
Machinery, except electrical	3.9	3.9	3.6	.0	.3
Electric and electronic equipment	2.2	2.3	2.2	.0	.0
Transportation equipment	7.8	9.7	9.5	- 1.8	- 1.7
Non durable Goods ^f	5.5	5.5	5.1	-.1	.3
NONMANUFACTURING^g	147.3	148.9	142.1	- 1.6	5.2
CONSTRUCTION	8.0	8.8	7.3	-.7	.7
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.9	7.6	.1	.3
Communication, electric, gas services ..	2.9	2.9	3.0	.0	-.1
WHOLESALE TRADE	10.6	10.6	9.9	.0	.7
Wholesale trade-durable goods	6.4	6.5	6.2	-.1	.2
RETAIL TRADE	42.0	41.5	40.1	.5	1.8
General merchandise stores	5.8	5.6	5.8	.2	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.3	8.2	.0	.1
Banking	2.9	2.8	2.8	.0	.0
SERVICES	45.4	45.3	43.8	.1	1.6
Health services	20.1	19.9	19.6	.2	.6
Hospitals	10.3	10.2	10.1	.1	.2
GOVERNMENT	24.5	25.9	24.6	- 1.4	-.1
State government	4.5	4.4	4.4	.0	.1
State government education ¹	3.0	3.0	2.9	.0	.1
State government, except education ...	1.5	1.5	1.5	.0	.0
Local government	17.8	19.3	18.1	- 1.5	-.3
Local government education	11.4	11.5	11.9	-.1	-.4
Local government, except education ...	6.4	7.8	6.2	- 1.4	.2

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c	Dec. 1988 ^b	Nov. 1988 ^c	Dec. 1987 ^c
MANUFACTURING	\$585.66	\$593.71	\$560.03	43.0	43.4	41.7	\$13.62	\$13.68	\$13.43
Durable Goods ^e	601.44	610.05	574.14	43.3	43.7	42.0	13.89	13.96	13.67
Primary metal industries	656.64	667.92	617.19	43.4	44.0	41.9	15.13	15.18	14.73
Blast furnace and basic steel products	619.22	619.22	632.50	45.1	45.1	45.9	13.73	13.73	13.78
Fabricated metal products	587.80	597.18	532.88	43.8	44.4	40.4	13.42	13.45	13.19
Machinery, except electrical	499.22	495.22	479.65	43.6	43.1	41.6	11.45	11.49	11.53
Electric and electronic equipment	443.59	457.06	466.65	39.5	40.7	42.5	11.23	11.23	10.98
Transportation equipment	638.69	644.12	630.38	44.2	44.3	43.0	14.45	14.54	14.66
Nondurable Goods ^f	414.36	421.46	412.51	39.5	40.8	39.1	10.49	10.33	10.55
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	559.18	570.24	550.25	40.2	40.5	40.4	13.91	14.08	13.62
WHOLESALE TRADE	383.76	376.99	353.73	40.1	39.6	38.2	9.57	9.52	9.26
RETAIL TRADE ^h	183.31	176.29	179.10	30.4	28.9	30.1	6.03	6.10	5.95

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1988	November 1988	December 1987
Employment Service Program			
New Applicants	1,415	1,972	1,674
Active File of Job Seekers	14,487	16,831	15,180
Referrals to Jobs	796	1,171	1,208
Placements	238	389	581
Job Openings Received	330	545	699
Job Openings Unfilled	489	807	426
Unemployment Insurance Program			
Initial Claims	4,565	4,244	5,632
Continued Claims	24,409	15,984	24,177
First Payments	3,251	1,033	1,819
Last Payments	241	238	263
Weeks Compensated	20,312	11,975	18,691
Benefits Paid	\$3,199,354	\$1,650,145	\$2,603,000
Average Weekly Payment	\$163.98	\$142.65	\$143.37

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	December 1988	November 1988	December 1987
New Applicants	31,650	36,413	36,467
Active File of Job Seekers	232,223	250,577	261,242
Counseling Interviews	923	1,208	1,235
Tests Administered	1,048	1,712	5,346
General Aptitude Tests	76	326	375
Proficiency Tests	197	278	358
Specific Aptitude Tests	315	206	1,377
Referrals to Jobs	16,946	25,370	18,817
Placements	4,180	6,445	5,980
Job Openings Received	6,861	10,161	8,930
Job Openings Unfilled	17,520	22,792	15,534

Selected Unemployment Insurance Activities

	December 1988	November 1988	December 1987
Initial Claims	72,994	54,529	88,767
Continued Claims	371,296	321,870	489,154
First Payments	33,917	21,348	30,107
Last Payments	4,984	4,830	5,944
Average Weekly Claimants	84,895	67,968	95,067
Average Weekly Benefit Recipients	69,005	49,980	75,329
Weeks Compensated	315,382	229,564	359,573
Benefits Paid	\$47,824,025	\$34,306,620	\$53,088,604
Average Weekly Payment	\$157.22	\$153.93	\$151.41
Continued Claims for Survey Week	87,702	64,456*	95,499*
Insured Unemployment Rate	1.9	1.5	2.2
Net Contributions	\$5,205,627	\$76,038,659	\$6,715,484
Active Employer Accounts	201,646	200,899	197,855

* Revised

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

36270-1
3/17/89
Labor
Market
Review

January 1989

Summary. Ohio's seasonally adjusted unemployment rate rose from 5.5 percent in December 1988 to 6.1 percent in January 1989. The U.S. rate increased slightly, from 5.3 percent to 5.4 percent. Total employment in Ohio reached a new high of 5,094,000, up 34,000 from December. There were 37,000 more jobless Ohioans in January, raising total unemployment to 332,000. Nonagricultural wage and salary employment, at 4,766,000, was up 33,000 from December. (See page 3.)

Factory Employment. Manufacturing employment in Ohio advanced 11,000 from December, to 1,123,000 in January. Durable-goods employment rose 8,000 to 757,000, while employment in nondurable-goods industries totaled 365,000, up 4,000 over the month.

Nonmanufacturing. Nonmanufacturing employment in Ohio rose 22,000 from December, to 3,643,000 in January. Gains in retail trade (+8,000), construction (+7,000), and services (+5,000) accounted for most of the improvement. Other nonmanufacturing industries were virtually unchanged from December.

Over the Year. The unemployment rate in Ohio fell from 6.4 percent in January 1988 to 6.1 percent in January 1989. The national rate also dropped over the period, from 5.8 percent to 5.4 percent. Total employment in Ohio increased 113,000 from January 1988, while the number of unemployed declined 11,000. Nonagricultural payroll employment rose 129,000 over the year. The largest increases were in services (+45,000) and retail trade (+32,000). Gains in durable and nondurable goods raised manufacturing employment 19,000 from January 1988. Greatest increases were reported in nonelectrical machinery, primary metal industries, and fabricated metal products. Construction added 15,000 jobs, while wholesale trade employment went up 9,000. All other divisions had small increases except mining, which fell 1,000.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of \$528.69 per week in January, down \$5.67 from December. Their average workweek of 43.3 hours was .5 hours shorter. With the exception of refrigeration and service machinery, most industries had lower earnings due to less overtime. The most notable declines were in motor vehicles and equipment, general industrial machinery, commercial printing, and metal forgings and stampings.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 78,656 in January, up 7.8 percent from December, but down 10.5 percent from January 1988. The average weekly benefit check increased \$1.33, to \$158.55. Total benefits paid, at \$57.2 million, were up 19.6 percent. The average weekly number of benefit recipients

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

rose 30.8 percent from December, to 90,229. At the end of January, there were 201,677 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 41,943 new job applicants in January, up 32.5 percent from December, and up 3.3 percent from January 1988. Openings received from employers rose 61.3 percent from December, to 11,070. The Employment Services Division made 20,202 job referrals, with 4,344 placements.

1989 Seasonal Adjustment Factors

	Manufacturing Durable Goods	Manufacturing Nondurable Goods	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, and Real Estate	Services	Government
January	0.992	0.990	0.990	0.853	0.978	0.990	0.979	0.990	0.974	1.002
February	0.992	0.988	0.967	0.825	0.977	0.989	0.965	0.989	0.978	1.017
March	0.996	0.989	0.966	0.867	0.981	0.992	0.970	0.991	0.985	1.024
April	1.000	0.992	0.977	0.941	0.992	0.997	0.987	0.994	1.000	1.020
May	1.002	0.996	0.987	1.006	1.001	1.002	1.002	0.999	1.009	1.026
June	1.006	1.003	1.007	1.049	1.008	1.008	1.007	1.008	1.016	1.001
July	0.999	1.002	1.020	1.094	1.008	1.006	1.006	1.012	1.013	0.941
August	0.998	1.009	1.014	1.107	1.009	1.003	1.009	1.011	1.011	0.929
September	1.003	1.015	1.018	1.100	1.012	1.001	1.009	1.004	1.013	0.989
October	1.003	1.008	1.022	1.101	1.013	1.006	1.009	1.001	1.007	1.013
November	1.006	1.005	1.021	1.059	1.011	1.003	1.021	1.000	1.000	1.022
December	1.004	1.003	1.012	0.999	1.010	1.003	1.036	1.000	0.994	1.024

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**Seasonally Adjusted Civilian Labor Force
& Nonagricultural Wage & Salary Employment
Estimates for Ohio^a**

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	Jan. 1989	Dec. 1988	Jan. 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data							
Civilian Labor Force	5,426	5,355	5,324	71	102	1.3	1.9
Employment	5,094	5,060	4,981	34	113	0.7	2.3
Unemployment	332	295	343	37	-11	12.5	-3.2
Unemployment Rate	6.1	5.5	6.4				
Employer Survey Data							
Total	4,766	4,733	4,637	33	129	0.7	2.8
Manufacturing	1,123	1,111	1,104	11	19	1.0	1.7
Durable Goods	757	750	744	8	13	1.0	1.7
Nondurable Goods	365	362	360	4	6	1.0	1.6
Nonmanufacturing	3,643	3,622	3,533	22	111	0.6	3.1
Mining	19	19	20	0	-1	-2.5	-4.0
Construction	195	188	181	7	15	3.8	8.1
Transportation and Public Utilities	213	213	210	0	3	0.0	1.6
Wholesale Trade	259	258	251	1	9	0.4	3.4
Retail Trade	897	889	865	8	32	0.9	3.7
Finance, Insurance, and Real Estate	253	252	247	0	6	0.1	2.2
Services	1,113	1,108	1,068	5	45	0.5	4.2
Government	694	693	691	0	3	0.0	0.4
Goods Producing Industries ^d	1,337	1,319	1,305	18	32	1.4	2.5
Service Producing Industries ^e	3,429	3,414	3,332	15	97	0.4	2.9

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. ^bChanges are computed from unrounded numbers. ^cPercentages are computed from unrounded numbers. ^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. ^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. ^fIncludes Mining, Construction, and Manufacturing. ^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

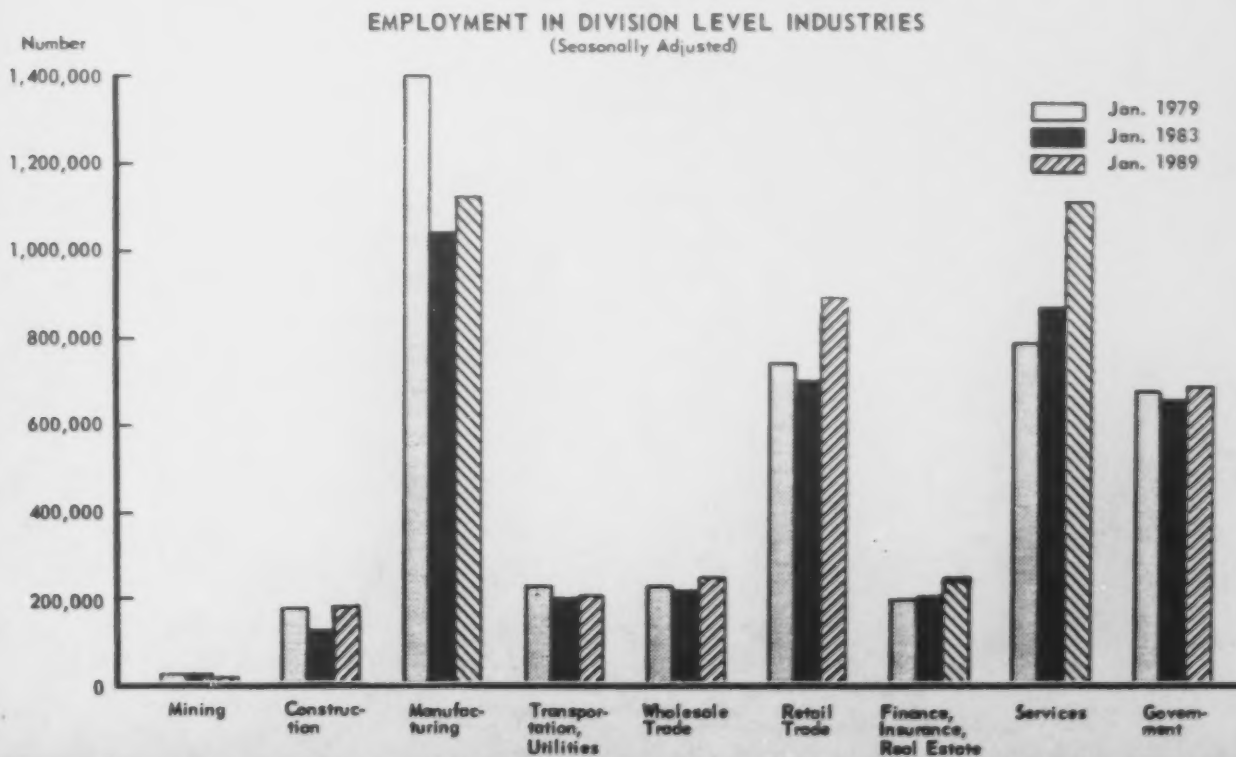
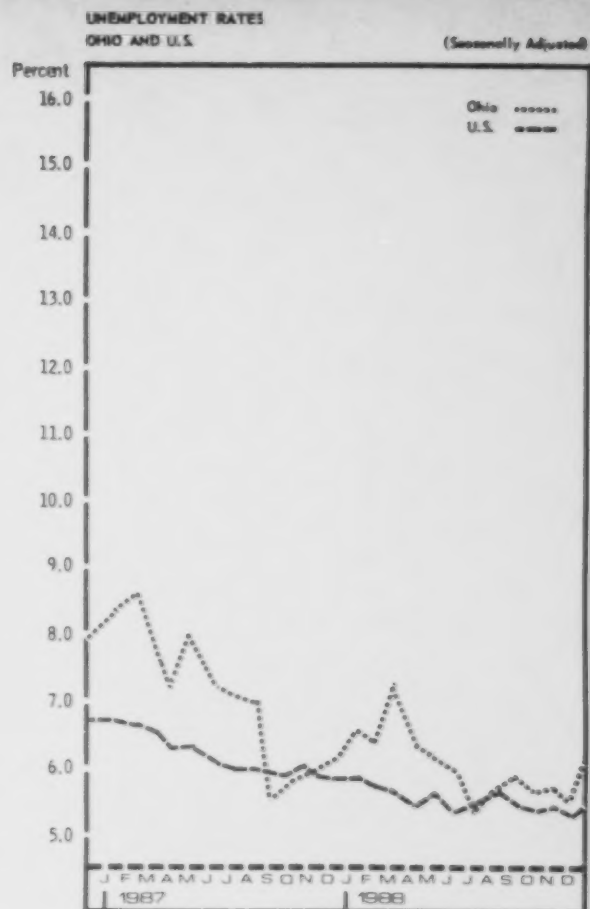
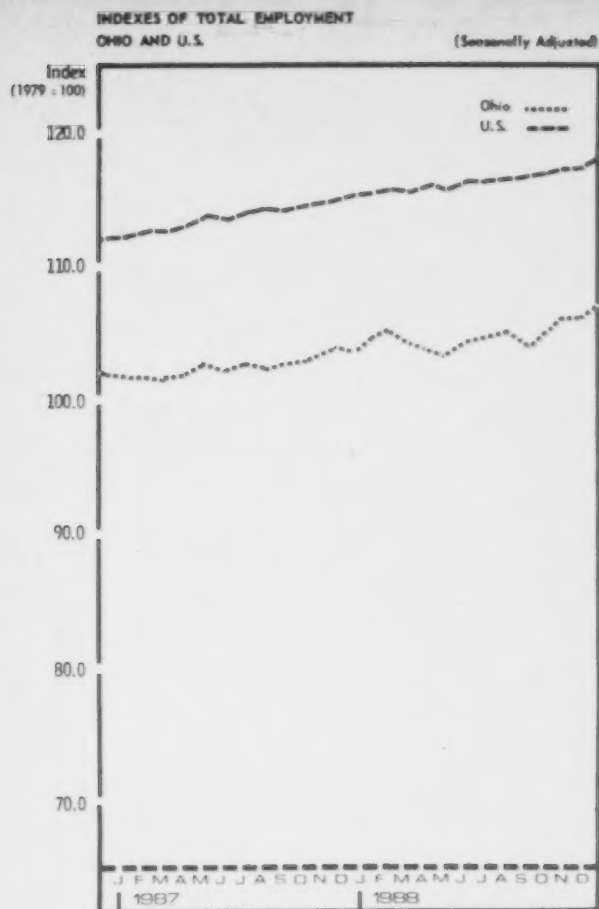
Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.		Manufacturing			
						Durable	Nondurable		
1987									
5,261	4,837	424	8.1	6.7	January	4,535	1,096	740	356
5,282	4,837	445	8.4	6.6	February	4,551	1,099	742	357
5,220	4,837	383	7.3	6.5	March	4,549	1,094	737	357
5,237	4,856	381	7.3	6.3	April	4,552	1,096	739	357
5,290	4,897	393	7.4	6.3	May	4,563	1,096	738	358
5,261	4,885	376	7.1	6.1	June	4,568	1,093	736	357
5,272	4,895	377	7.2	6.0	July	4,576	1,091	732	359
5,242	4,877	365	7.0	6.0	August	4,588	1,098	739	359
5,213	4,921	292	5.6	5.9	September	4,596	1,101	743	358
5,231	4,910	321	6.1	6.0	October	4,617	1,105	745	360
5,270	4,946	324	6.1	5.9	November	4,631	1,106	746	360
5,279	4,949	330	6.3	5.8	December	4,650	1,110	748	362
1988									
5,324	4,981	343	6.4	5.8	January	4,637	1,104	744	360
5,355	5,014	341	6.4	5.7	February	4,644	1,103	743	359
5,369	4,974	395	7.4	5.6	March	4,653	1,097	737	360
5,301	4,970	331	6.2	5.5	April	4,656	1,101	742	360
5,284	4,960	324	6.1	5.6	May	4,661	1,100	742	359
5,306	4,994	312	5.9	5.4	June	4,671	1,102	742	360
5,294	5,004	290	5.5	5.4	July	4,676	1,101	742	359
5,329	5,028	301	5.6	5.6	August	4,680	1,100	741	358
5,311	5,004	307	5.8	5.4	September	4,691	1,103	743	359
5,349	5,049	300	5.6	5.3	October	4,704	1,105	746	360
5,366	5,059	307	5.7	5.4	November	4,721	1,110	750	361
5,355	5,060	295	5.5	5.3	December	4,733	1,111	750	362
1989									
5,426	5,094	332	6.1	5.4	January	4,766	1,123	757	365

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1987									
3,439	22	173	206	245	January	836	239	1030	688
3,452	22	174	206	246	February	842	240	1036	686
3,455	21	174	206	246	March	844	241	1037	686
3,456	21	173	206	246	April	841	242	1040	687
3,467	21	174	207	247	May	844	243	1043	688
3,475	21	176	207	247	June	845	244	1048	688
3,484	20	178	209	248	July	847	244	1053	685
3,490	21	176	209	248	August	849	245	1055	687
3,495	21	177	209	249	September	850	246	1059	685
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
1988									
3,533	20	181	210	251	January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	20	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	20	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	20	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
1989									
3,643	19	195	213	259	January	897	253	1113	694

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.		Manufacturing			
							Durable	Non-durable	
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,232	4,806	425	8.1	7.0	1986	4,471.4	1,109.8	752.7	357.1
5,254	4,887	367	7.0	6.2	1987	4,582.6	1,098.9	740.4	358.4
5,328	5,008	320	6.0	5.5	1988	4,683.0	1,103.1	743.6	359.6
5,275	4,899	376	7.1	6.3	1988	4,546.1	1,094.7	738.5	356.2
5,298	4,923	376	7.1	6.2	January	4,549.1	1,092.3	737.2	355.1
5,316	4,898	418	7.9	5.9	February	4,586.2	1,089.6	733.9	355.8
5,281	4,964	317	6.0	5.3	March	4,642.7	1,098.5	741.8	356.7
5,269	4,966	303	5.8	5.4	April	4,692.3	1,100.5	743.2	357.3
5,353	5,028	325	6.1	5.5	May	4,715.4	1,107.6	746.9	360.7
5,366	5,093	274	5.1	5.5	June	4,678.8	1,100.8	741.5	359.4
5,376	5,076	301	5.6	5.4	July	4,679.1	1,102.1	740.5	361.6
5,287	4,985	302	5.7	5.2	August	4,731.7	1,110.5	745.6	364.9
5,365	5,087	278	5.2	5.0	September	4,757.7	1,110.3	747.8	362.5
5,400	5,113	287	5.3	5.2	October	4,834.7	1,115.7	753.3	362.3
5,352	5,066	286	5.4	5.0	November	4,781.8	1,115.1	752.5	362.6
5,384	5,015	369	6.9	6.0	1989	4,671.4	1,113.0	751.3	361.8
</									

Employment, Hours & Earnings in Manufacturing in Ohio^a

Manufacturing Employment
(in thousands)

**Production Workers
in Manufacturing**

Manufacturing				Production Workers	Aggregate Weekly Payroll	Aggregate Weekly Hours
	Durable Goods	Nondurable Goods		(in thous.)	(in millions)	(in millions)
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,098.9	740.4	358.4	1987	751.4	375.5	32.0
1,103.1	743.6	359.6	1988	759.1	391.7	32.6
1,094.7	738.5	356.2	1988 January	752.1	381.8	32.2
1,092.3	737.2	355.1	February	750.7	377.5	31.8
1,089.6	733.9	355.8	March	747.6	380.2	31.9
1,098.5	741.8	356.7	April	755.3	390.4	32.5
1,100.5	743.2	357.3	May	757.3	391.1	32.6
1,107.6	746.9	360.7	June	762.4	397.8	33.0
1,100.8	741.5	359.4	July	754.9	379.4	31.9
1,102.1	740.5	361.6	August	756.7	382.1	32.1
1,110.5	745.6	364.9	September	765.9	399.6	33.2
1,110.3	747.8	362.5	October	765.5	400.4	33.1
1,115.7	753.3	362.3	November	771.1	410.1	33.7
1,115.1	752.5	362.6	December	770.1	411.5	33.7
1,113.0	751.3	361.8	1989 January	767.3	405.7	33.2

**Production Workers
Average Weekly Earnings**

**Production Workers
Average Weekly Hours**

**Production Workers
Average Hourly Earnings**

Manufacturing				Manufacturing				Manufacturing		
	Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods			Durable Goods	Nondurable Goods
306.91	316.83	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
516.00	538.59	465.47	1988	43.0	43.4	42.2	1988	12.00	12.41	11.03
507.61	527.11	464.45	1988 January	42.8	43.1	42.3	1988 January	11.86	12.23	10.98
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04
516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00
521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01
502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04
504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01
521.77	545.38	469.63	September	43.3	43.7	42.5	September	12.05	12.48	11.05
523.06	546.69	467.84	October	43.3	43.7	42.3	October	12.08	12.51	11.06
531.83	557.80	472.43	November	43.7	44.2	42.6	November	12.17	12.62	11.09
534.36	557.80	479.62	December	43.8	44.2	42.9	December	12.20	12.62	11.18
528.69	553.58	472.36	1989 January	43.3	43.9	42.1	1989 January	12.21	12.61	11.22

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
------------------------------------	--------------------------------	---------------------------------

Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
------------------------------------	---------------------------------------	-----------------------------

Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment (in thousands)

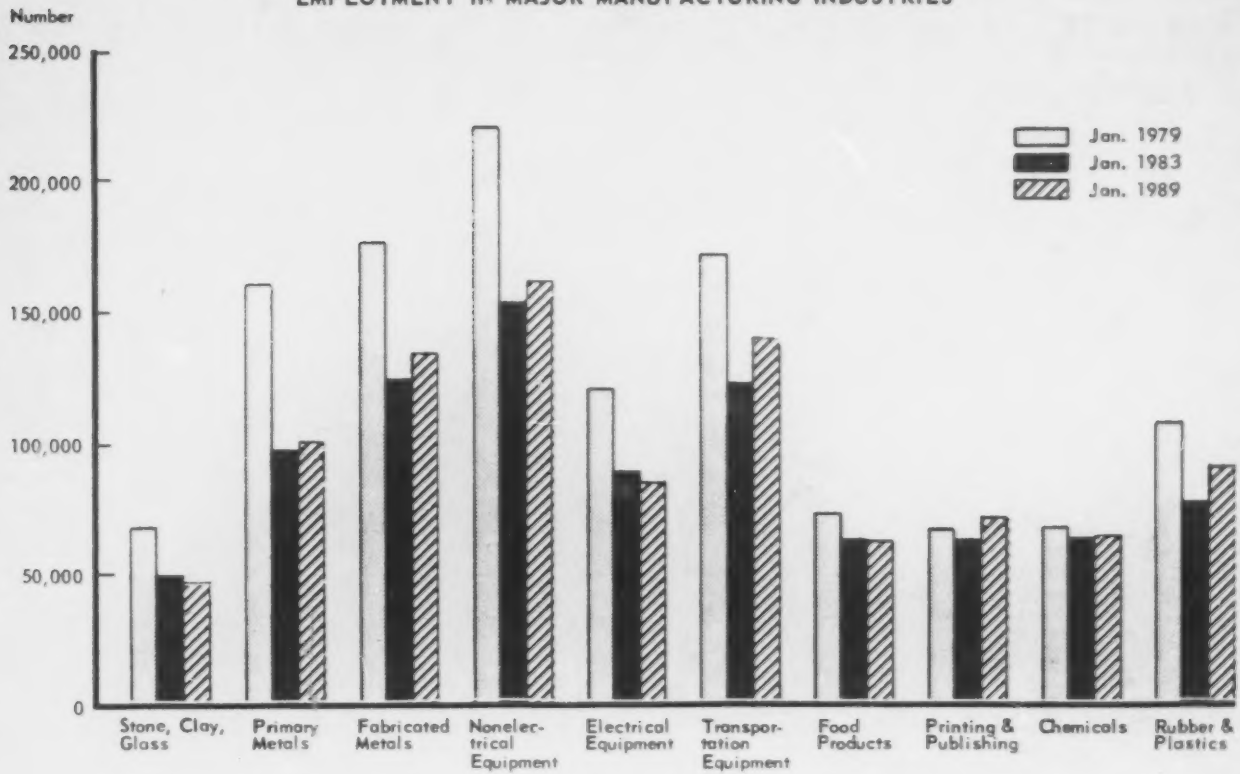
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
1988										
46.1	98.0	131.5	January	156.4	86.4	146.2	January	61.1	71.6	90.0
46.3	98.7	131.7	February	155.9	86.2	144.5	February	60.5	71.4	90.1
46.9	99.3	132.4	March	156.8	86.1	137.8	March	60.9	71.3	90.1
47.6	99.1	133.0	April	157.7	86.0	143.4	April	61.0	71.0	90.7
48.0	100.0	133.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
1989										
47.2	101.4	134.8	January	163.1	86.5	141.3	January	62.8	72.0	91.5

Average Weekly Earnings of Production Workers

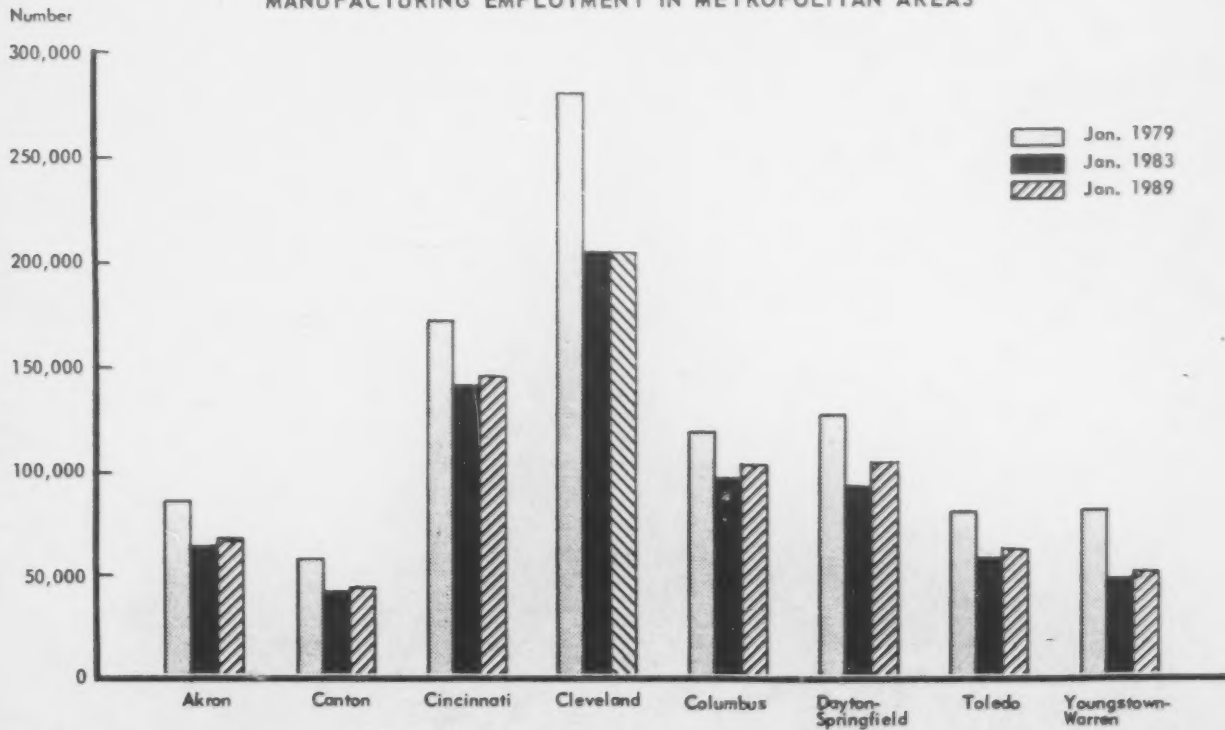
\$274.81	\$366.24	\$307.23	1978	\$306.16	\$268.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
1988										
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
1989										
464.53	632.30	524.27	January	547.69	486.21	706.16	January	441.08	445.04	463.22

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	4671.4	4781.8	4546.1	- 110.4	125.3
MANUFACTURING	1113.0	1115.1	1094.7	- 2.1	18.4
Durable Goods ^e	751.3	752.5	738.5	- 1.3	12.8
Lumber and wood products	22.7	23.1	20.3	- .4	2.5
Furniture and fixtures	15.1	15.0	14.9	.0	-.1
Stone, clay, and glass products	47.2	47.8	46.1	- .6	1.1
Glass and glassware, pressed or blown	8.7	8.7	8.6	.0	.0
Primary metal industries	101.4	102.0	98.0	- .6	3.3
Blast furnace and basic steel products	45.6	46.0	45.3	-.5	.2
Iron and steel foundries	20.4	20.4	19.3	.0	1.1
Nonferrous rolling and drawing	17.9	18.1	16.8	-.2	1.1
Fabricated metal products	134.8	134.8	131.5	.1	3.3
Cutlery, hand tools, and hardware	10.1	10.2	10.1	-.1	.1
Fabricated structural metal products ..	28.5	28.5	28.8	.0	-.4
Metal forgings and stampings	41.9	41.7	39.9	.3	2.0
Machinery, except electrical	163.1	162.7	156.4	.3	6.7
Construction and related machinery ...	13.6	13.5	13.4	.1	.2
Metalworking machinery	42.4	42.3	41.0	.1	1.5
Special industry machinery	18.4	18.3	16.8	.0	1.6
General industrial machinery	28.9	28.6	27.9	.2	1.0
Office and computing machines	12.4	12.5	13.1	-.1	-.7
Refrigeration and service machinery ..	16.5	16.4	15.9	.1	.6
Electric and electronic equipment	86.5	86.8	86.4	-.3	.1
Electrical industrial apparatus	17.6	17.4	16.5	.2	1.1
Household appliances	16.1	16.3	15.8	-.1	.3
Electric lighting and wiring equipment ..	17.3	17.5	17.1	-.2	.2
Communication equipment	9.1	9.2	9.5	-.1	-.4
Transportation equipment	141.3	140.9	146.2	.4	- 4.9
Motor vehicles and equipment	96.1	94.9	95.8	1.2	.3
Aircraft and parts	36.5	37.4	41.5	-.9	- 4.9
Instruments and related products	24.4	24.6	24.3	-.2	.1
Measuring and controlling devices	13.4	13.4	13.6	-.1	-.2
Nondurable Goods^f	361.8	362.6	356.2	- .8	5.6
Food and kindred products	62.8	63.4	61.1	- .6	1.8
Meat products	8.7	8.9	8.8	-.1	-.1
Dairy products	9.5	9.6	9.4	-.1	.1
Preserved fruits and vegetables	12.2	11.9	11.1	.3	1.1
Bakery products	9.4	9.6	9.1	-.2	.4
Beverages	8.9	9.1	9.1	-.2	-.1
Apparel and other textile products	15.6	16.0	15.1	-.4	.5
Paper and allied products	37.7	37.5	37.1	.2	.6
Misc. converted paper products	12.3	12.2	11.8	.1	.5
Paperboard containers and boxes	13.3	13.2	13.1	.1	.2
Printing and publishing	72.0	72.3	71.6	-.3	.4
Newspapers	19.0	19.0	18.8	.0	.2
Commercial printing	28.1	28.4	27.7	-.3	.4
Chemicals and allied products	65.0	64.4	63.9	.6	1.1
Industrial inorganic chemicals	9.0	8.6	9.2	.4	-.2
Rubber and misc. plastics products	91.5	91.5	90.0	.1	1.6
Tires and inner tubes	14.5	14.5	14.5	.0	-.1
Miscellaneous plastics products	56.7	56.6	55.4	.1	1.3

See footnotes on page 13.

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
NONMANUFACTURING	3558.3	3666.6	3451.4	- 108.3	106.9
MINING	18.6	19.5	19.4	- .9	- .8
Bituminous coal and lignite mining	7.7	7.8	8.2	- .1	- .4
Oil and gas extraction	6.8	6.9	7.1	- .1	- .3
CONSTRUCTION	166.7	188.0	154.1	- 21.3	12.7
General building contractors	44.1	48.6	41.5	- 4.5	2.6
Heavy construction contractors	16.8	22.0	15.9	- 5.2	.9
Highway and street construction	4.6	7.6	4.6	- 3.1	.0
Special trade contractors	105.8	117.4	96.6	- 11.6	9.2
TRANSPORTATION AND PUBLIC UTILITIES	208.5	215.3	205.3	- 6.8	3.2
Railroad transportation	12.7	13.2	12.9	- .5	- .3
Transportation, except railroads	108.5	114.3	104.2	- 5.8	4.2
Trucking and warehousing	73.7	78.5	72.0	- 4.8	1.7
Communication, electric, gas services ..	87.4	87.9	88.1	- .5	- .8
Communication	45.7	46.1	46.8	- .4	- 1.1
Electric, gas, and sanitary services ..	41.7	41.8	41.4	- .1	.3
WHOLESALE TRADE	256.7	259.1	248.2	- 2.4	8.5
Wholesale trade-durable goods	162.6	163.9	157.5	- 1.3	5.0
Motor vehicles & automotive equipment ..	22.9	22.6	22.2	.3	.6
Electrical goods	18.4	18.5	18.4	- .2	- .1
Machinery, equipment, and supplies ...	69.6	69.9	67.5	- .4	2.1
Wholesale trade-nondurable goods	94.1	95.3	90.6	- 1.2	3.5
Groceries and related products	30.1	30.6	29.1	- .5	1.0
RETAIL TRADE	878.6	921.4	847.1	- 42.8	31.4
General merchandise stores	124.2	136.5	123.0	- 12.3	1.3
Department stores	106.5	117.4	106.4	- 10.9	.1
Food stores	142.6	147.1	135.6	- 4.5	7.0
Automotive dealers & service stations ..	95.4	96.2	92.2	- .8	3.2
Apparel and accessory stores	46.4	50.0	43.5	- 3.6	2.8
Eating and drinking places	289.5	302.5	283.1	- 13.0	6.5
FINANCE, INSURANCE, AND REAL ESTATE	250.0	252.4	244.6	- 2.4	5.4
Banking	64.0	64.2	62.9	- .2	1.0
Credit agencies other than banks	38.0	38.1	37.9	- .1	.1
Insurance carriers	70.1	70.5	69.2	- .4	.9
Life insurance	25.9	26.1	25.7	- .2	.2
Fire, marine, and casualty insurance ..	31.0	31.2	30.6	- .2	.4
SERVICES	1084.1	1101.0	1040.6	- 16.9	43.5
Hotels and other lodging places	34.7	35.9	33.4	- 1.1	1.3
Personal services	58.9	57.5	56.5	1.4	2.4
Laundry, cleaning, & garment services ..	18.7	19.2	18.2	- .5	.6
Business services	226.1	230.3	210.2	- 4.2	15.9
Services to buildings	31.6	32.3	29.8	- .7	1.8
Computer and data processing services ..	22.7	22.4	21.0	.3	1.7
Amusement and recreation services	27.6	32.5	28.5	- 4.9	- .9
Health services	374.7	376.3	364.8	- 1.6	9.9
Nursing and personal care facilities ..	82.2	82.9	79.9	- .7	2.3
Hospitals	184.2	183.8	181.1	.4	3.1
Educational services	64.7	66.6	62.2	- 1.9	2.5
Colleges and universities	35.5	37.1	33.6	- 1.6	1.9
GOVERNMENT	695.1	710.0	692.2	- 14.9	2.9
Federal government	95.0	95.7	94.3	- .7	.7
State government	158.3	165.4	154.2	- 7.1	4.1
State government education ¹	84.2	91.6	80.2	- 7.3	4.1
State government, except education ...	74.1	73.8	74.0	.2	.0
Local government	441.8	448.9	443.6	- 7.1	- 1.9
Local government education	258.2	264.8	262.3	- 6.6	- 4.1
Local government, except education ...	183.5	184.1	181.3	- .6	2.2

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$528.69	\$534.36	\$507.61	43.3	43.8	42.8	\$12.21	\$12.20	\$11.86
Durable Goods ^e	553.58	557.80	527.11	43.9	44.2	43.1	12.61	12.62	12.23
Lumber and wood products	320.33	319.09	284.26	40.6	40.7	39.1	7.89	7.84	7.27
Furniture and fixtures	368.40	384.56	359.04	40.0	41.8	40.8	9.21	9.20	8.80
Stone, clay, and glass products	464.53	463.01	448.56	42.5	42.4	42.0	10.93	10.92	10.68
Glass and glassware, pressed or blown	477.17	469.40	471.06	41.1	40.5	40.4	11.61	11.59	11.66
Primary metal industries	632.30	636.55	614.21	45.1	45.5	44.8	14.02	13.99	13.71
Blast furnace and basic steel products	638.32	643.58	641.17	44.7	45.1	45.7	14.28	14.27	14.03
Iron and steel foundries	693.72	705.43	653.90	47.0	47.6	45.6	14.76	14.82	14.34
Nonferrous rolling and drawing	662.02	653.83	608.16	43.1	43.1	42.0	15.36	15.17	14.48
Fabricated metal products	524.27	531.73	506.11	43.4	43.8	43.0	12.08	12.14	11.77
Cutlery, hand tools, and hardware	508.68	520.42	475.57	40.5	41.6	40.2	12.56	12.51	11.83
Fabricated structural metal products	460.74	462.58	470.67	42.0	42.4	43.3	10.97	10.91	10.87
Metal forgings and stampings	646.70	659.13	605.66	44.6	44.9	43.2	14.50	14.68	14.02
Machinery, except electrical	547.69	549.70	507.17	44.6	44.8	43.2	12.28	12.27	11.74
Construction and related machinery	430.09	432.48	424.51	41.0	40.8	41.7	10.49	10.60	10.18
Metalworking machinery	526.32	534.28	497.74	45.1	45.9	43.7	11.67	11.64	11.39
Special industry machinery	519.30	526.44	497.48	45.0	45.5	43.6	11.54	11.57	11.41
General industrial machinery	571.06	597.76	521.66	44.2	45.7	42.9	12.92	13.08	12.16
Office and computing machines	461.89	470.90	426.70	41.8	42.5	42.5	11.05	11.08	10.04
Refrigeration and service machinery	623.13	587.42	569.01	44.1	42.2	42.4	14.13	13.92	13.42
Electric and electronic equipment	486.21	484.65	480.80	42.8	42.7	42.7	11.36	11.35	11.26
Electrical industrial apparatus	506.02	502.85	487.53	44.9	44.5	44.2	11.27	11.30	11.03
Household appliances	507.03	500.58	512.73	41.8	41.2	42.2	12.13	12.15	12.15
Electric lighting and wiring equipment	502.90	499.38	487.49	42.8	42.5	42.8	11.75	11.75	11.39
Communication equipment	479.14	485.85	480.87	40.4	41.0	41.1	11.86	11.85	11.70
Transportation equipment	706.16	721.82	649.28	45.5	46.3	43.9	15.52	15.59	14.79
Motor vehicles and equipment	733.94	758.78	667.51	45.9	47.1	43.8	15.99	16.11	15.24
Aircraft and parts	650.20	633.09	626.95	45.5	44.9	45.3	14.29	14.10	13.84
Instruments and related products	376.48	381.30	361.03	40.7	41.0	39.5	9.25	9.30	9.14
Measuring and controlling devices	367.35	378.68	353.66	39.5	40.5	38.4	9.30	9.35	9.21
Nondurable Goods ^f	472.36	479.62	464.45	42.1	42.9	42.3	11.22	11.18	10.98
Food and kindred products	441.08	456.89	450.93	41.3	42.7	42.5	10.68	10.70	10.61
Meat products	352.72	380.84	386.98	39.9	42.6	41.7	8.84	8.94	9.28
Dairy products	450.71	464.38	476.10	42.4	43.4	43.4	10.63	10.70	10.97
Preserved fruits and vegetables	485.30	488.78	444.64	42.2	42.8	41.4	11.50	11.42	10.74
Bakery products	463.34	472.03	475.51	39.2	39.7	40.4	11.82	11.89	11.77
Beverages	410.97	429.72	430.32	39.9	41.2	41.1	10.30	10.43	10.47
Apparel and other textile products	309.25	310.13	299.51	39.8	40.7	39.1	7.77	7.62	7.66
Paper and allied products	510.96	517.34	499.97	44.9	45.5	44.6	11.38	11.37	11.21
Misc. converted paper products	446.86	446.66	444.28	44.2	44.4	43.6	10.11	10.06	10.19
Paperboard containers and boxes	460.13	452.32	442.10	44.5	44.0	43.6	10.34	10.28	10.14
Printing and publishing	445.04	463.65	434.17	38.8	40.6	38.8	11.47	11.42	11.19
Newspapers	379.28	394.24	358.70	34.2	35.2	34.0	11.09	11.20	10.55
Commercial printing	441.69	467.50	435.51	39.9	42.5	39.7	11.07	11.00	10.97
Chemicals and allied products	568.76	571.43	551.68	42.7	42.9	42.7	13.32	13.32	12.92
Industrial inorganic chemicals	588.32	597.76	597.04	43.1	43.6	43.9	13.65	13.71	13.60
Rubber and misc. plastics products	463.22	459.72	448.59	43.7	43.7	43.3	10.60	10.52	10.36
Tires and inner tubes	682.42	679.21	687.74	45.8	45.8	47.3	14.90	14.83	14.54
Miscellaneous plastics products	451.86	449.83	426.57	43.7	43.8	42.7	10.34	10.27	9.99

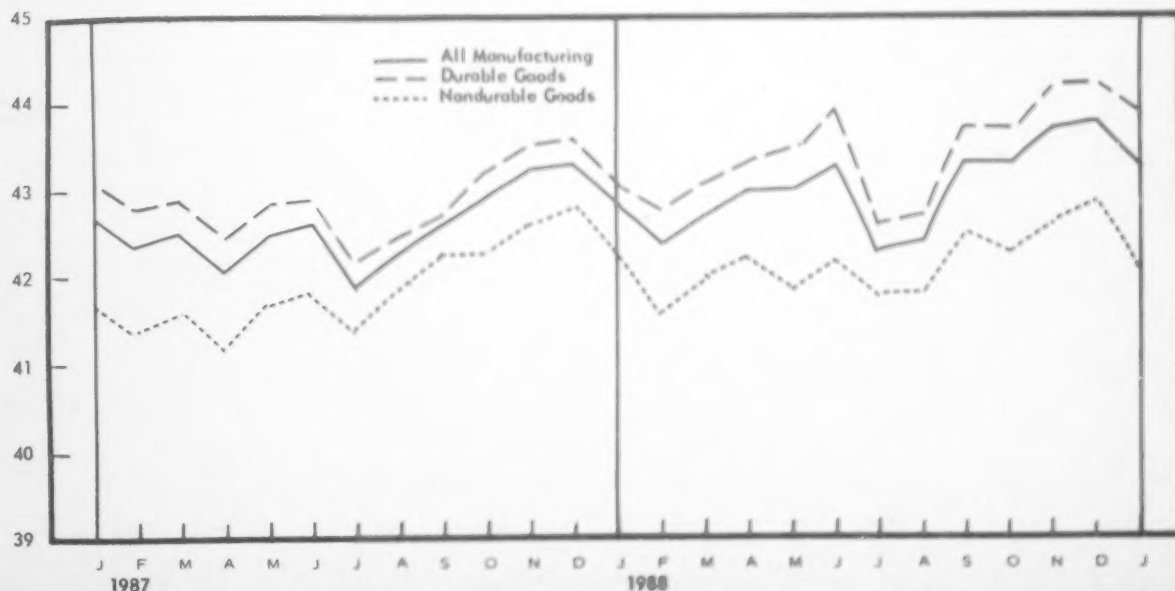
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Hours & Earnings of Production or Nonsupervisory Workers^a

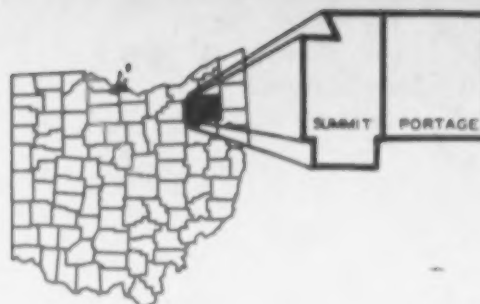
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MINING	\$562.47	\$547.41	\$557.66	43.3	42.7	44.4	\$12.99	\$12.82	\$12.56
Bituminous coal and lignite mining	691.22	672.08	689.22	42.8	41.9	44.9	16.15	16.04	15.35
CONSTRUCTION	578.35	589.72	555.74	38.2	38.9	37.0	15.14	15.16	15.02
TRANSPORTATION AND PUBLIC UTILITIES									
Communication, electric, gas services ..	568.62	568.58	559.63	40.5	40.7	40.7	14.04	13.97	13.75
Communication	539.75	543.20	535.71	39.6	40.0	39.8	13.63	13.58	13.46
Electric, gas, and sanitary services ..	602.78	598.02	587.14	41.6	41.5	41.7	14.49	14.41	14.08
WHOLESALE TRADE	398.82	400.07	382.40	39.1	39.3	39.1	10.20	10.18	9.78
Wholesale trade-durable goods	388.65	391.43	377.28	39.1	39.3	39.3	9.94	9.96	9.60
Wholesale trade-nondurable goods	414.57	414.62	390.10	39.0	39.3	38.7	10.63	10.55	10.08
RETAIL TRADE ^b	170.46	174.64	161.24	28.6	29.4	27.8	5.96	5.94	5.80
General merchandise stores	182.41	195.63	171.44	29.0	31.3	27.3	6.29	6.25	6.28
Department stores	187.46	201.61	175.91	29.2	31.6	27.4	6.42	6.38	6.42
FINANCE, INSURANCE, AND REAL ESTATE									
Banking	273.80	268.05	264.30	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	274.42	275.14	258.86	.....	.....	.....	.....	.....	.....
Insurance carriers	387.09	383.22	361.50	.....	.....	.....	.....	.....	.....
SERVICES									
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	348.65	341.45	337.95	33.3	32.8	33.1	10.47	10.41	10.21

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



AKRON PRIMARY METROPOLITAN STATISTICAL AREA

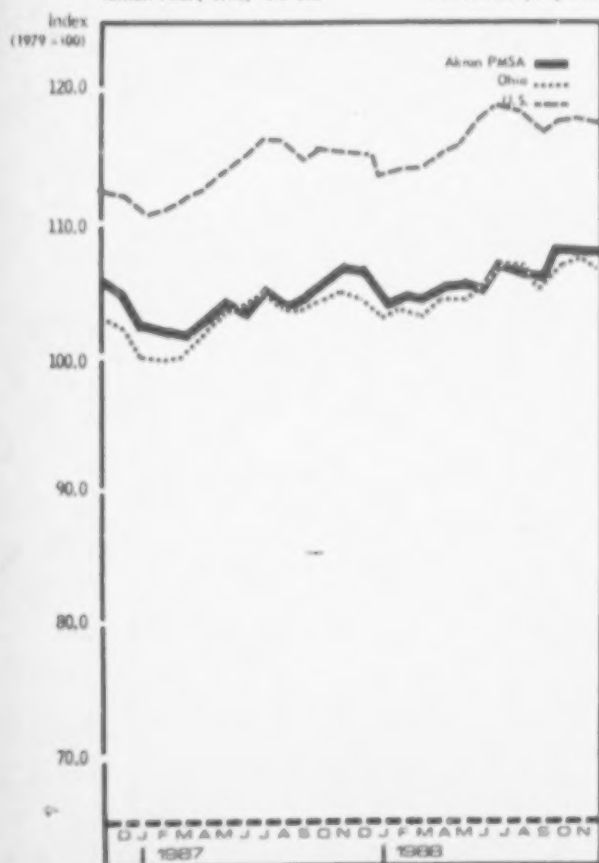


In the Akron metropolitan area, nonfarm payroll employment totaled 270,300 in January 1989, down 9,400 from December 1988. The loss was concentrated in the nonmanufacturing sector due to seasonal reductions in nonteaching personnel in state colleges, seasonal declines in retail trade and construction, and a labor-management dispute in local schools. Manufacturing employment increased 400 to 67,000. Slight employment increases occurred in nonelectrical machinery and miscellaneous plastics products. Factory production workers averaged \$11.52 per hour, up \$.08 from December. Their average workweek was unchanged over the month at 43.1 hours.

Nonagricultural wage and salary employment advanced 10,200 between January 1988 and January 1989. Notable expansion occurred in services and retail trade. The manufacturing workforce increased 2,000 over the year. Improvements were registered in nonelectrical machinery, fabricated metal products, and miscellaneous plastics products, while employment in chemicals and allied products declined.

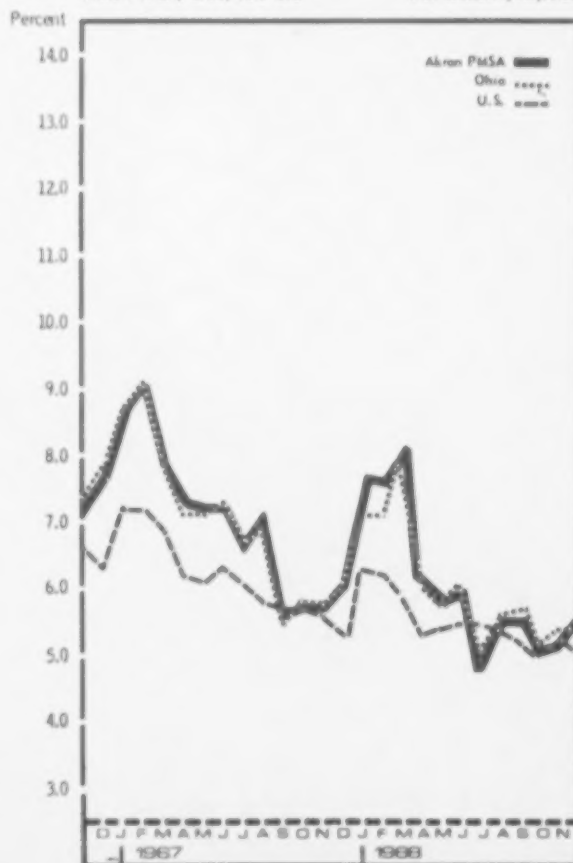
INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

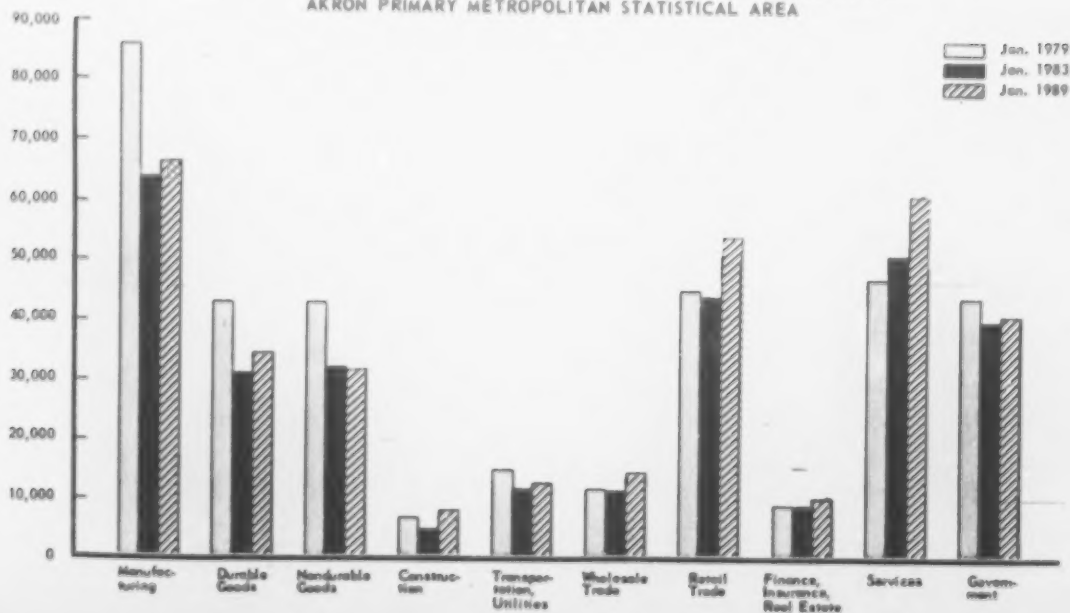


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	\$304.14	42.3	\$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
322.3	302.7	19.6	6.1	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1987						
322.6	302.5	20.0	6.2	December	272.4	66.9	37.6	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	260.1	65.0	36.4	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	264.7	65.0	36.6	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	268.3	65.7	37.3	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.8	65.9	37.3	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.8	65.8	37.6	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	270.4	66.4	38.0	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
321.4	303.7	17.7	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
324.6	308.3	16.3	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
324.7	308.0	16.7	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
325.9	307.7	18.1	5.6	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
INA	INA	INA	INA	January	270.3	67.0	39.1	496.51	43.1	11.52

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	270.3	279.7	260.1	- 9.4	10.2
MANUFACTURING	67.0	66.6	65.0	.4	2.0
Durable Goods ^e	34.9	34.7	33.3	.2	1.5
Fabricated metal products	11.0	11.0	10.5	.0	.5
Machinery, except electrical	10.0	9.9	9.2	.1	.8
Metalworking machinery	3.5	3.5	3.3	.0	.2
Nondurable Goods ^f	32.1	31.9	31.6	.2	.5
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	3.6	3.5	3.7	.0	.2
Rubber and misc. plastics products	19.3	19.3	19.0	.1	.4
Tires and inner tubes	10.3	10.3	10.5	.0	.2
NONMANUFACTURING ^g	203.3	213.1	195.1	- 9.8	8.2
CONSTRUCTION	8.6	10.0	7.8	- 1.3	.8
TRANSPORTATION AND PUBLIC UTILITIES	12.9	13.2	12.6	.3	.3
Communication, electric, gas services ..	4.8	4.9	4.9	.0	.1
WHOLESALE TRADE	14.8	14.9	14.1	.1	.7
RETAIL TRADE	53.9	56.1	51.7	- 2.2	2.2
General merchandise stores	6.8	7.7	6.7	- .9	.1
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.6	10.5	.1	.1
Banking	3.1	3.1	3.1	.0	.1
SERVICES	61.0	61.9	57.6	.9	3.4
Business services	13.9	13.6	11.7	.2	2.1
Amusement and recreation services	2.6	2.8	2.3	.2	.2
Health services	20.2	20.4	19.7	.2	.5
GOVERNMENT	41.0	45.7	40.2	- 4.8	.8
State government	14.6	17.2	12.1	- 2.6	2.5
State government education ^h	11.6	14.3	9.2	- 2.7	2.4
State government, except education ...	3.0	2.9	3.0	.1	.0
Local government	23.8	26.0	25.7	- 2.2	- 1.9
Local government education	12.8 ⁱ	14.9	14.4	- 2.1	- 1.6
Local government, except education ...	11.0	11.1	11.3	.1	.3

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers^a

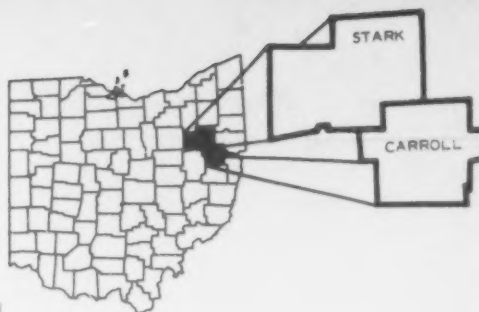
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$496.51	\$493.06	\$489.89	43.1	43.1	43.2	\$11.52	\$11.44	\$11.34
Durable Goods ^e	514.94	511.37	498.37	43.2	43.3	43.0	11.92	11.81	11.59
Fabricated metal products	637.02	625.56	605.75	43.1	42.7	43.8	14.78	14.65	13.83
Machinery, except electrical	471.17	469.20	453.01	45.7	46.0	44.5	10.31	10.20	10.18
Metalworking machinery	491.57	502.67	476.56	45.6	46.5	45.3	10.78	10.81	10.52
Nondurable Goods ^f	471.90	468.90	480.26	42.9	42.9	43.7	11.00	10.93	10.99
Food and kindred products	438.26	432.55	477.63	42.1	41.0	43.9	10.41	10.55	10.88
Chemicals and allied products	499.57	510.77	518.91	41.7	42.6	44.2	11.98	11.99	11.74
Rubber and misc. plastics products	483.32	488.84	498.85	43.7	44.4	44.7	11.06	11.01	11.16
Tires and inner tubes	814.06	816.68	783.50	50.5	50.6	50.0	16.12	16.14	15.67
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	572.05	574.06	559.36	40.6	40.8	40.3	14.09	14.07	13.88
WHOLESALE TRADE	353.06	344.65	334.11	37.6	36.9	37.0	9.39	9.34	9.03
RETAIL TRADE ^h	207.99	211.12	192.17	32.6	33.3	30.6	6.38	6.34	6.28

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	2,336	2,078	2,454
Active File of Job Seekers	15,390	14,509	16,818
Referrals to Jobs	938	782	1,042
Placements	198	128	170
Job Openings Received	1,379	264	388
Job Openings Unfilled	1,661	663	697
Unemployment Insurance Program			
Initial Claims	4,399	4,608	5,556
Continued Claims	32,475	24,012	37,265
First Payments	2,598	2,515	2,831
Last Payments	317	316	448
Weeks Compensated	24,591	20,584	30,459
Benefits Paid	\$3,754,003	\$3,078,614	\$4,669,705
Average Weekly Payment	\$158.87	\$155.52	\$157.05

CANTON METROPOLITAN STATISTICAL AREA

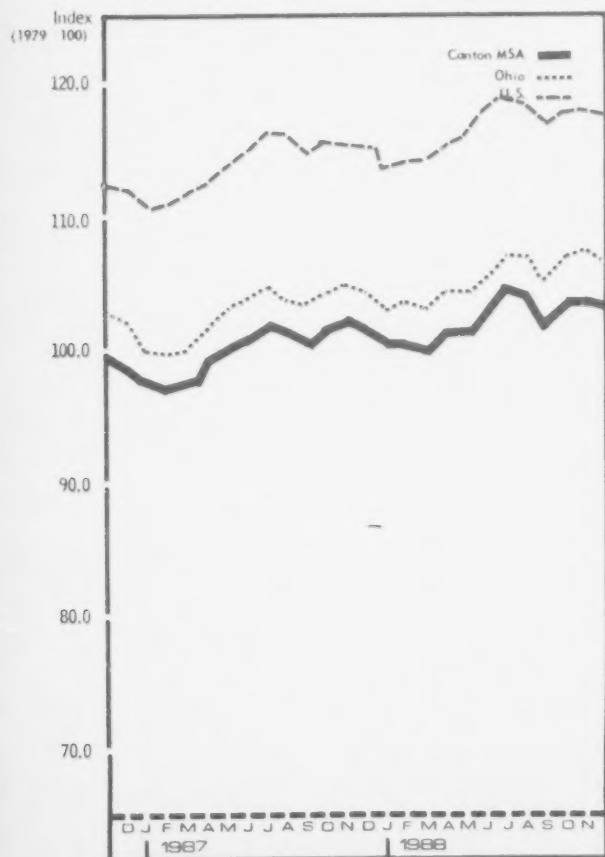


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

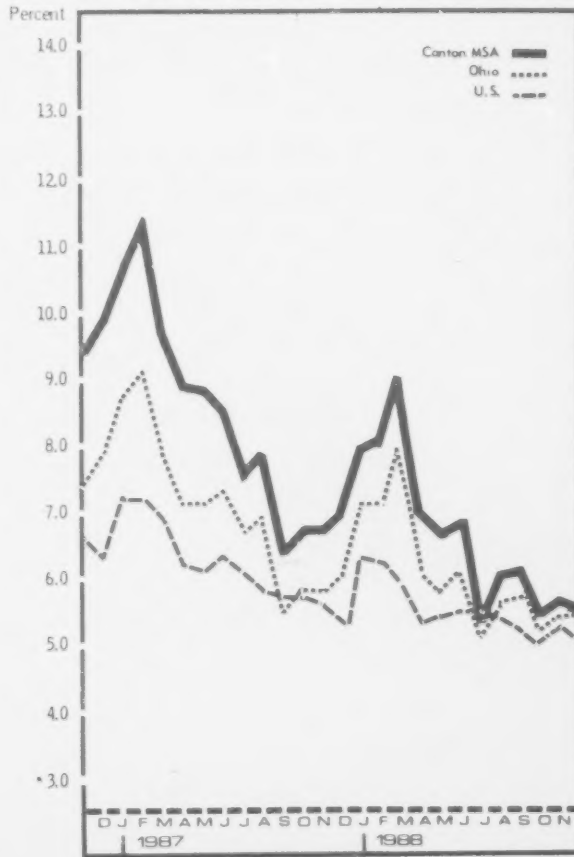
Total nonfarm payroll employment in the Canton metropolitan area declined 2,800 from December 1988, to 160,300 in January 1989. Seasonal reductions in retail trade, services, and construction lowered nonmanufacturing employment 3,100. The manufacturing sector increased 300 to 45,900, with scattered improvements in both durable- and nondurable-goods industries. Factory production worker average hourly earnings were \$11.63, up fractionally from December. Their average workweek was .1 hours longer at 43.1 hours.

Nonagricultural wage and salary employment advanced 5,300 between January 1988 and January 1989. Most of the gain occurred in the nonmanufacturing sector. Significant expansion was noted in construction, services, and retail trade. Manufacturing employment increased 1,700 over the year. Improvements were reported in primary metal industries, rubber and miscellaneous plastics products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

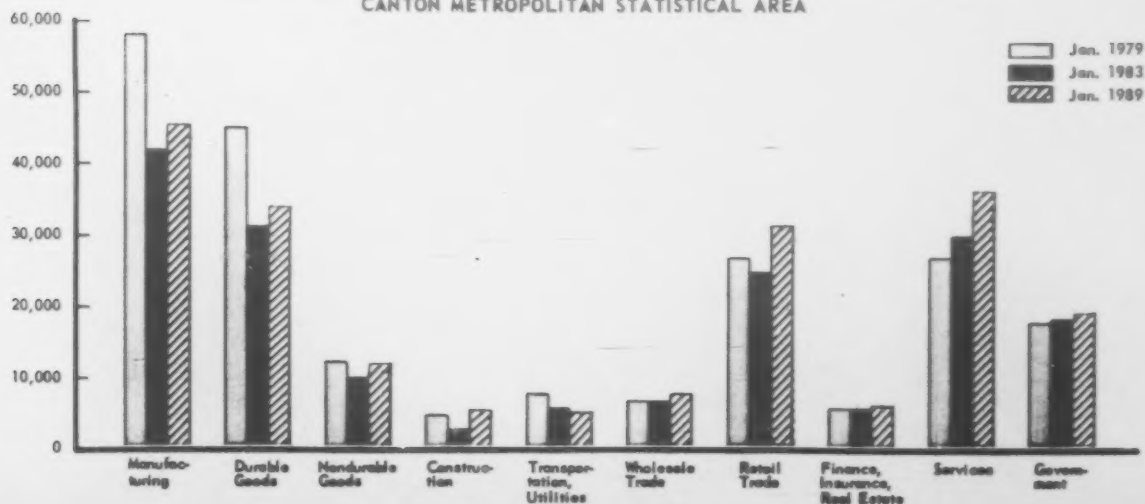


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total				Hours and Earnings						
Rate				Average						
				Weekly						
				Earnings						
				Hours						
				Earnings						
				Hourly						
				Earnings						
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	\$304.67	40.3	\$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	156.4	44.0	31.2	475.15	41.9	11.34
189.8	177.3	12.5	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1987						
188.8	175.9	12.9	6.8	December	160.8	45.1	32.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.0	44.3	31.4	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	154.7	44.3	31.6	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	155.7	44.4	32.0	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	157.9	44.4	31.5	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.1	179.8	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
190.3	179.7	10.6	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
189.3	178.9	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
INA	INA	INA	INA	January	160.3	45.9	33.2	501.25	43.1	11.63

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	160.3	163.0	155.0	- 2.8	5.3
MANUFACTURING	45.9	45.7	44.3	.3	1.7
Durable Goods ^e	34.0	33.8	32.8	.2	1.1
Primary metal industries	11.5	11.4	11.0	.1	.5
Fabricated metal products	6.7	6.6	6.6	.1	.1
Metal forgings and stampings	2.3	2.2	2.2	.1	.1
Nondurable Goods ^f	12.0	11.9	11.5	.1	.5
Food and kindred products	3.3	3.3	3.3	.0	.0
Rubber and misc. plastics products	3.1	3.0	2.9	.0	.2
NONMANUFACTURING ^g	114.3	117.4	110.7	- 3.1	3.6
CONSTRUCTION	6.0	6.4	4.8	- .4	1.2
TRANSPORTATION AND PUBLIC UTILITIES	5.8	6.0	5.5	- .2	.3
Communication, electric, gas services ..	2.7	2.8	2.5	.0	.2
WHOLESALE TRADE	8.0	8.1	7.8	- .1	.2
Wholesale trade-durable goods	4.4	4.5	4.3	- .1	.1
RETAIL TRADE	31.8	33.4	31.0	- 1.6	.8
General merchandise stores	4.1	4.6	4.1	- .5	.0
Food stores	5.6	5.7	5.3	- .1	.3
FINANCE, INSURANCE, AND REAL ESTATE	6.2	6.3	6.3	- .1	.1
Banking	1.8	1.8	1.8	.0	.0
SERVICES	36.4	37.0	35.5	- .6	1.0
Health services	15.1	15.3	15.0	- .2	.1
GOVERNMENT	19.2	19.3	18.9	.0	.3
State government (includes education) ..	1.7	1.7	1.8	.0	.0
Local government	16.1	16.1	15.7	.0	.3
Local government education	9.8	9.9	9.6	- .1	.1
Local government, except education ...	6.3	6.2	6.1	.1	.2

Canton MSA

**Hours & Earnings
of Production or
Nonsupervisory
Workers^a**

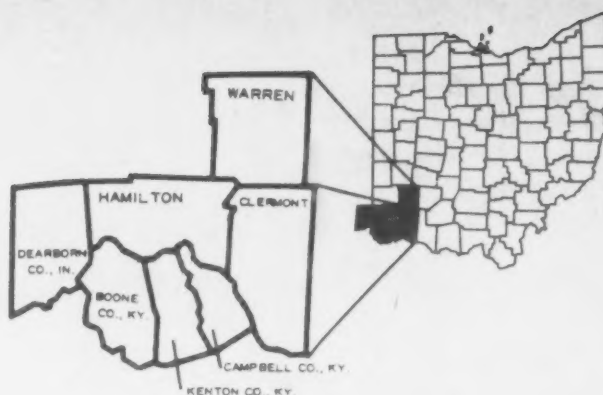
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$501.25	\$499.23	\$493.78	43.1	43.0	43.2	\$11.63	\$11.61	\$11.43
Durable Goods ^e	537.91	534.49	520.97	44.2	44.1	44.3	12.17	12.12	11.76
Primary metal industries	606.99	594.69	611.71	46.3	45.5	47.2	13.11	13.07	12.96
Fabricated metal products	504.18	522.71	424.73	42.8	44.6	40.8	11.78	11.72	10.41
Metal forgings and stampings	575.10	597.06	576.69	40.5	42.8	40.3	14.20	13.95	14.31
Nondurable Goods ^f	389.46	390.25	409.60	39.7	39.7	40.0	9.81	9.83	10.24
Food and kindred products	392.11	395.18	429.84	38.9	39.4	39.8	10.08	10.03	10.80
Rubber and misc. plastics products	404.49	389.70	428.45	41.7	40.3	41.0	9.70	9.67	10.45
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	574.87	563.18	565.52	40.8	40.4	41.4	14.09	13.94	13.66
WHOLESALE TRADE	385.82	387.22	375.82	38.2	38.0	38.0	10.10	10.19	9.89
RETAIL TRADE ^h	162.16	164.64	152.84	28.6	29.4	28.2	5.67	5.60	5.42

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	1,755	1,256	1,653
Active File of Job Seekers	11,853	10,951	11,400
Referrals to Jobs	539	569	737
Placements	124	101	246
Job Openings Received	966	241	270
Job Openings Unfilled	2,038	1,588	306
Unemployment Insurance Program			
Initial Claims	3,093	2,610	3,514
Continued Claims	18,308	12,311	21,890
First Payments	1,587	1,173	1,738
Last Payments	173	155	240
Weeks Compensated	13,038	10,658	17,249
Benefits Paid	\$1,889,737	\$1,511,078	\$2,445,971
Average Weekly Payment	\$148.56	\$146.17	\$146.61

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA

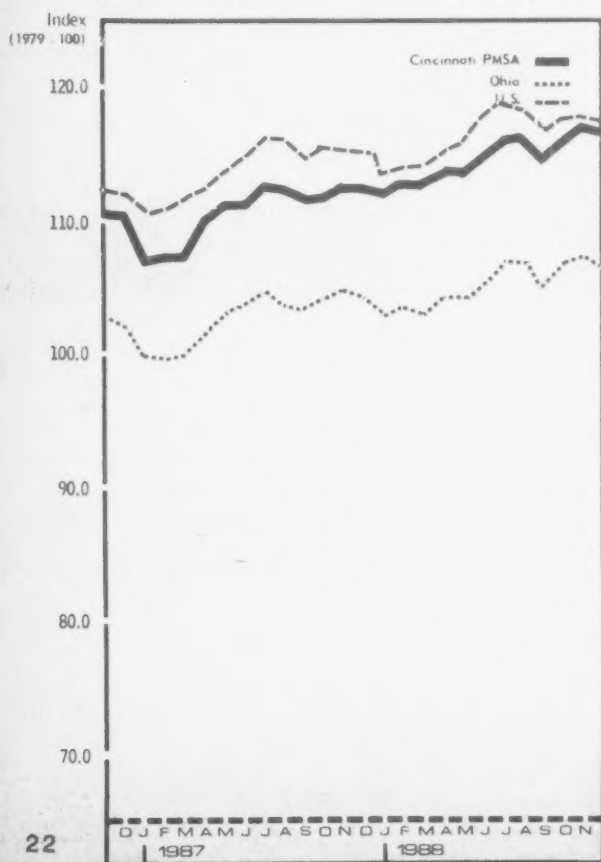


Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 703,200 in January 1989, down 15,400 from December 1988. Nonmanufacturing employment declined 14,300 due to seasonal reductions in retail trade, services, and construction. Reduced employment in transportation equipment and food and kindred products contributed to the loss of 1,100 manufacturing jobs, down to 145,500. The settlement of a labor-management dispute increased employment in chemicals and allied products. Factory production workers averaged \$11.37 per hour, up \$.04 from December. Their average workweek of 42.7 hours was .8 hours shorter.

Total nonfarm wage and salary employment advanced 26,000 between January 1988 and January 1989. A major portion of the gain occurred in services, retail trade, construction, and transportation and public utilities. Manufacturing employment declined 300 during the period. A significant reduction in transportation equipment more than offset modest growth in nonelectrical machinery and food and kindred products.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S.

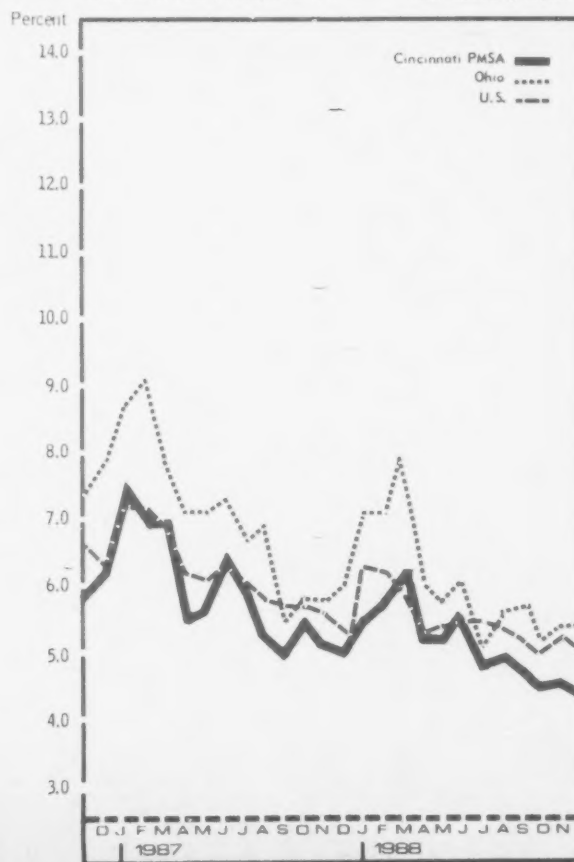
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES

CINCINNATI PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

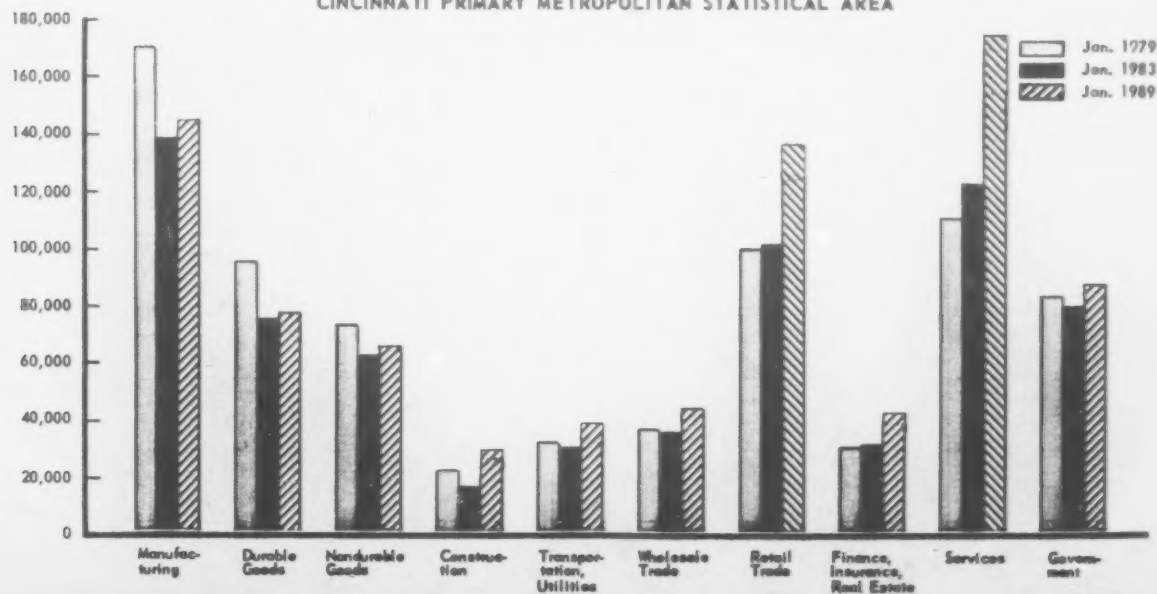


CINCINNATI MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
TotalRate					Hours and Earnings					
					Average Weekly EarningsAverage Weekly HoursAverage Hourly Earnings					
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
760.3	721.4	38.9	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1987						
754.6	716.6	38.0	5.0	December	700.0	146.9	94.2	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	677.2	145.7	93.3	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	676.6	144.8	92.5	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	679.5	138.3	86.3	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	694.4	144.3	92.0	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	700.1	143.7	91.4	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	704.2	144.2	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
758.0	722.0	36.0	4.7	September	711.9	145.8	92.7	483.75	43.0	11.25
766.5	732.0	34.5	4.5	October	712.4	145.3	92.0	484.18	43.0	11.26
772.6	736.8	35.8	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
769.0	735.7	33.3	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
INA	INA	INA	INA	January	703.2	145.5	91.9	485.50	42.7	11.37

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	703.2	718.6	677.2	- 15.4	26.0
MANUFACTURING	145.5	146.6	145.7	- 1.1	- .3
Durable Goods ^e	78.5	79.4	79.2	- 1.0	- .7
Fabricated metal products	10.9	11.0	11.0	- .1	- .2
Fabricated structural metal products ..	3.9	3.9	4.2	.0	- .4
Machinery, except electrical	21.2	21.2	20.6	.0	.6
Metalworking machinery	8.7	8.7	8.6	.0	.0
General industrial machinery	3.1	3.1	3.0	.1	.1
Electric and electronic equipment	8.8	8.8	8.4	.0	.4
Transportation equipment	23.4	23.9	25.3	-.5	- 1.9
Motor vehicles and equipment	5.2	5.1	5.2	.1	.0
Nondurable Goods ^f	67.0	67.1	66.6	- .1	.4
Food and kindred products	12.9	13.2	12.4	- .2	.6
Beverages	3.4	3.5	3.4	- .1	.1
Apparel and other textile products	3.5	3.5	3.6	- .1	- .1
Paper and allied products	6.1	6.1	6.0	.0	.1
Printing and publishing	13.5	13.6	13.7	.0	- .1
Commercial printing	6.2	6.2	6.2	.0	.1
Chemicals and allied products	22.7	22.3	22.5	.4	.2
Rubber and misc. plastics products	6.1	6.2	6.1	- .1	.0
NONMANUFACTURING^g	557.7	572.0	531.4	- 14.3	26.2
CONSTRUCTION	30.1	32.6	26.8	- 2.5	3.3
TRANSPORTATION AND PUBLIC UTILITIES	39.1	39.6	36.5	- .5	2.6
Trucking and warehousing	10.9	11.4	9.9	- .4	1.0
Communication, electric, gas services ..	15.5	15.4	15.3	.1	.2
WHOLESALE TRADE	45.1	45.5	43.4	- .4	1.7
Wholesale trade-durable goods	26.5	26.7	25.5	- .2	1.0
RETAIL TRADE	137.2	143.6	129.5	- 6.4	7.6
General merchandise stores	20.7	22.8	19.7	- 2.1	1.0
FINANCE, INSURANCE, AND REAL ESTATE	42.6	43.0	41.0	- .4	1.6
Banking	9.3	9.2	8.8	.0	.4
Insurance carriers	14.6	14.5	14.2	.1	.4
SERVICES	174.3	177.2	166.3	- 3.0	8.0
Hotels and other lodging places	7.0	7.3	6.7	- .3	.3
Personal services	9.4	9.1	8.7	.3	.7
Business services	44.2	44.8	39.9	- .6	4.3
Amusement and recreation services	5.8	7.0	5.9	- 1.2	- .1
Health services	54.0	54.5	52.7	- .5	1.3
Hospitals	26.1	26.1	25.4	.0	.7
GOVERNMENT	88.9	90.0	87.6	- 1.1	1.3
Federal government	15.5	15.6	15.4	- .1	.2
State government	20.3	20.7	19.8	- .4	.5
State government education ^h	12.5	12.9	12.0	- .4	.4
State government, except education ...	7.8	7.8	7.7	.0	.1
Local government	53.1	53.7	52.4	- .6	.7
Local government education	30.4	30.9	30.3	- .5	.1
Local government, except education ...	22.6	22.8	22.1	- .1	.6

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$485.50	\$492.86	\$481.00	42.7	43.5	43.1	\$11.37	\$11.33	\$11.16
Durable Goods ^e	491.62	497.39	479.70	43.2	43.9	43.1	11.38	11.33	11.13
Fabricated metal products	437.90	450.66	428.14	43.1	44.4	42.9	10.16	10.15	9.98
Fabricated structural metal products ..	489.60	509.03	426.86	45.0	46.7	42.9	10.88	10.90	9.95
Machinery, except electrical	428.58	435.37	430.26	42.1	42.6	42.6	10.18	10.22	10.10
Metalworking machinery	484.83	483.04	492.59	43.6	43.4	43.4	11.12	11.13	11.35
General industrial machinery	427.25	441.32	411.55	43.2	44.0	44.3	9.89	10.03	9.29
Electric and electronic equipment	372.86	379.26	349.25	41.2	42.0	40.8	9.05	9.03	8.56
Transportation equipment	770.36	761.43	717.10	47.7	47.5	46.9	16.15	16.03	15.29
Motor vehicles and equipment	862.03	906.24	759.10	49.4	51.2	46.4	17.45	17.70	16.36
Nondurable Goods ^f	478.97	488.75	481.86	42.2	43.1	43.1	11.35	11.34	11.18
Food and kindred products	491.30	503.76	554.12	41.6	42.8	46.1	11.81	11.77	12.02
Beverages	503.30	512.94	532.54	40.2	41.2	42.4	12.52	12.45	12.56
Apparel and other textile products	229.25	237.40	207.18	38.4	39.5	36.8	5.97	6.01	5.63
Paper and allied products	446.02	451.53	421.60	42.6	43.5	42.5	10.47	10.38	9.92
Printing and publishing	445.50	473.52	473.10	39.6	41.5	41.5	11.25	11.41	11.40
Commercial printing	481.24	517.36	505.76	42.4	44.6	43.6	11.35	11.60	11.60
Chemicals and allied products	572.80	577.26	560.74	43.1	43.6	43.2	13.29	13.24	12.98
Rubber and misc. plastics products	435.71	444.13	404.87	46.6	46.8	44.2	9.35	9.49	9.16
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	583.16	572.02	545.60	41.3	40.8	40.0	14.12	14.02	13.64
WHOLESALE TRADE	411.27	416.07	399.84	40.4	41.4	40.8	10.18	10.05	9.80
RETAIL TRADE ^h	168.48	171.69	164.45	29.2	29.5	28.7	5.77	5.82	5.73
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	264.17	262.76	255.28	.....	.....	.....	.....	.....	.....

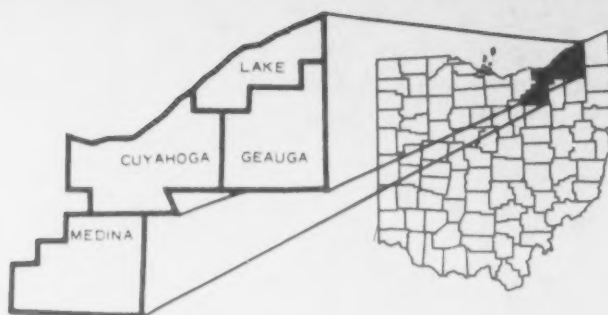
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	3,398	2,528	3,061
Active File of Job Seekers	17,592	17,360	22,647
Referrals to Jobs	1,569	1,374	1,558
Placements	171	305	243
Job Openings Received	943	522	655
Job Openings Unfilled	1,746	1,667	1,576
Unemployment Insurance Program			
Initial Claims	6,734	4,914	6,805
Continued Claims	42,477	30,596	52,128
First Payments	3,073	2,485	2,254
Last Payments	451	515	524
Weeks Compensated	29,418	26,292	40,313
Benefits Paid	\$4,495,061	\$3,912,244	\$6,407,686
Average Weekly Payment	\$157.42	\$152.80	\$161.79

^aOhio data only

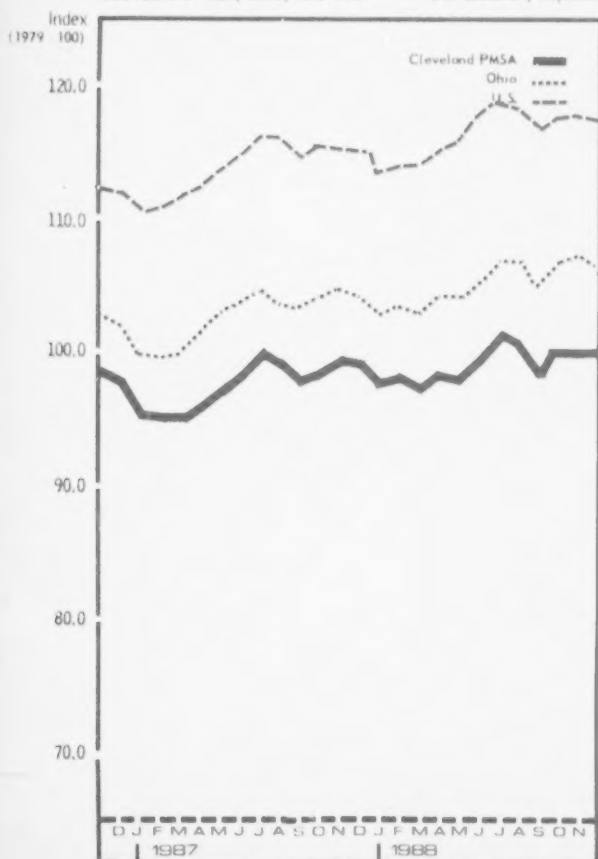
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



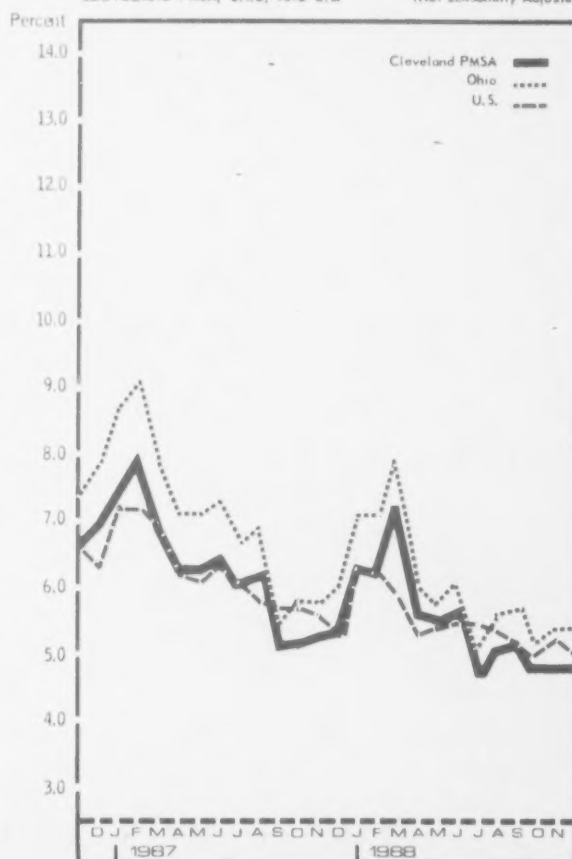
In the Cleveland metropolitan area, nonfarm payroll employment dropped 22,400 from December 1988, to 902,000 in January 1989. Seasonal reductions in retail trade, services, and construction helped lower nonmanufacturing employment 21,300. Scattered declines among producers of both durable and nondurable goods reduced manufacturing employment 1,100, to 204,300. Factory production workers averaged \$12.15 per hour, unchanged from December. Their average workweek, 44.0 hours, was .3 hours shorter.

Nonagricultural wage and salary employment advanced 19,300 between January 1988 and January 1989. Expansion in the nonmanufacturing sector accounted for most of the gain. Noteworthy growth occurred in services, retail trade, finance, insurance, and real estate, and wholesale trade. The manufacturing workforce increased 3,800. Improvements were recorded in nonelectrical machinery, primary metal industries, transportation equipment, chemicals and allied products, and fabricated metal products. Employment in printing and publishing and instruments and related products declined.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

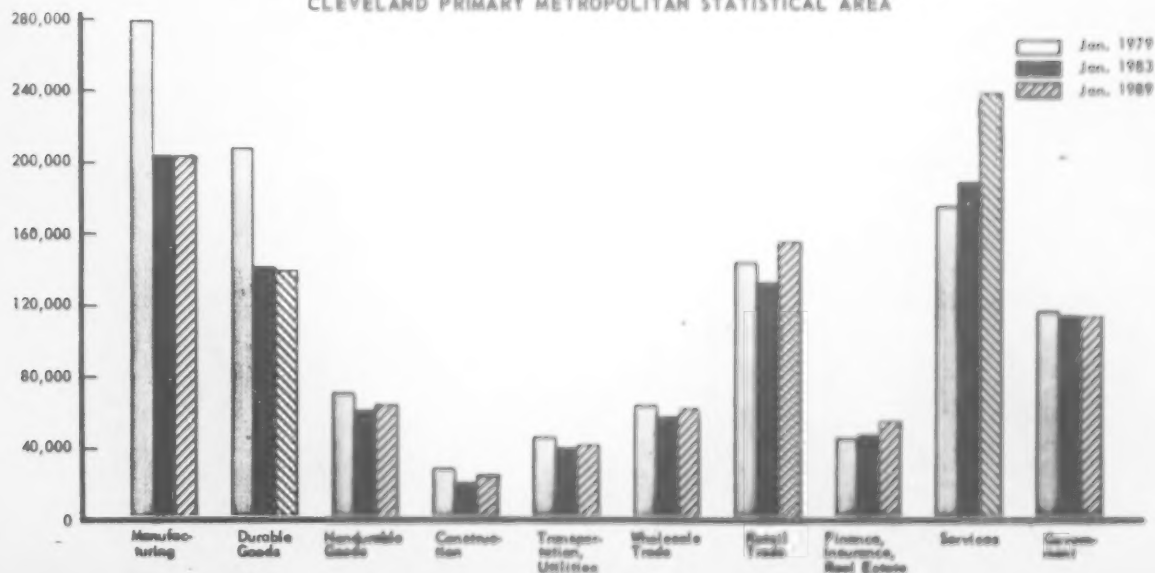


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total Employed					Manufacturing Employment						
Unemployed					Manufacturing Production Workers						
Total					Hours and Earnings						
Rate					Average Weekly Earnings						
					Average Weekly Hours						
					Average Hourly Earnings						
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	\$321.75	42.9	\$ 7.50	
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00	
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63	
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62	
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10	
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45	
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86	
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19	
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44	
926.6	868.8	57.8	6.2	1987	891.6	200.6	128.3	496.35	42.9	11.57	
933.8	882.5	51.3	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84	
				1987							
931.0	880.7	50.3	5.4	December	913.2	203.4	130.8	513.04	44.0	11.66	
				1988							
928.2	869.7	58.5	6.3	January	882.7	200.4	129.0	503.53	43.0	11.71	
930.3	872.7	57.5	6.2	February	880.1	199.3	128.2	500.21	42.9	11.66	
934.3	866.3	68.0	7.3	March	886.5	200.2	128.5	510.26	43.5	11.73	
926.4	874.9	51.5	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81	
923.0	872.5	50.5	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83	
939.2	885.8	53.5	5.7	June	911.0	202.2	130.4	518.28	43.7	11.86	
947.1	902.6	44.5	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69	
943.7	895.4	48.3	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79	
922.0	874.3	47.7	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91	
936.4	891.6	44.8	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93	
937.4	892.0	45.4	4.8	November	926.2	204.5	133.0	528.12	43.9	12.03	
937.1	892.2	44.9	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15	
				1989							
INA	INA	INA	INA	January	902.0	204.3	132.8	534.60	44.0	12.15	

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	902.0	924.5	882.7	- 22.4	19.3
MANUFACTURING	204.3	205.4	200.4	- 1.1	3.8
Durable Goods ^e	140.5	141.0	137.3	- .5	3.2
Primary metal industries	21.8	21.8	21.2	.0	.6
Iron and steel foundries	4.7	4.7	4.8	.0	-.1
Fabricated metal products	32.6	32.7	32.2	-.1	.4
Fabricated structural metal products ..	4.0	3.9	3.9	.1	.1
Screw machine products, bolts, etc. ...	4.8	4.9	4.9	-.1	-.1
Metal forgings and stampings	11.1	11.2	11.0	-.1	.1
Machinery, except electrical	30.6	30.6	29.5	.0	1.1
Construction and related machinery ...	2.6	2.6	2.6	.0	-.1
Metalworking machinery	10.2	10.1	9.8	.1	.4
Special industry machinery	2.6	2.6	2.9	.0	-.3
General industrial machinery	3.3	3.3	3.0	.0	.2
Electric and electronic equipment	17.9	17.9	17.8	-.1	.1
Electrical industrial apparatus	6.6	6.5	6.1	.1	.5
Transportation equipment	20.0	20.2	19.4	-.2	.6
Motor vehicles and equipment	12.8	12.9	12.1	.1	.7
Instruments and related products	6.4	6.4	6.7	.0	-.3
Measuring and controlling devices	4.4	4.4	4.5	.0	-.1
Nondurable Goods ^f	63.8	64.4	63.1	-.6	.7
Food and kindred products	6.6	6.8	6.6	-.1	.0
Apparel and other textile products	3.5	3.6	3.5	-.1	.0
Paper and allied products	6.0	6.0	5.9	.0	.1
Printing and publishing	15.8	16.0	16.2	-.2	-.4
Chemicals and allied products	15.0	15.1	14.5	.0	.5
Rubber and misc. plastics products	11.6	11.7	11.3	-.1	.3
NONMANUFACTURING^g	697.8	719.1	682.3	- 21.3	15.5
CONSTRUCTION	24.6	27.8	24.0	- 3.2	.6
TRANSPORTATION AND PUBLIC UTILITIES	40.5	42.4	40.3	- 1.9	.2
Trucking and warehousing	11.7	12.8	11.6	- 1.0	.1
Communication, electric, gas services ..	17.3	17.6	17.3	.3	.0
WHOLESALE TRADE	62.9	63.9	61.3	- 1.0	1.6
Wholesale trade-durable goods	43.8	44.3	42.8	-.4	1.1
RETAIL TRADE	157.3	166.0	154.1	- 8.7	3.2
General merchandise stores	21.4	23.5	21.7	- 2.1	-.3
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.8	55.4	-.4	2.0
Banking	14.0	14.2	14.0	-.2	.0
Credit agencies other than banks	8.8	8.8	8.8	.0	.0
Insurance carriers	14.3	14.4	13.6	-.1	.7
SERVICES	238.9	243.1	230.7	- 4.2	8.2
Business services	55.2	56.4	51.9	- 1.2	3.2
Amusement and recreation services	5.4	6.4	6.0	- 1.1	-.6
Health services	77.7	78.1	76.5	-.4	1.1
Hospitals	43.9	43.9	44.0	.0	-.1
GOVERNMENT	115.1	117.0	115.4	- 1.9	-.4
Federal government	20.6	21.2	20.8	-.5	-.2
State government	8.2	8.6	8.0	-.5	.1
State government education ^h	3.0	3.6	3.0	-.6	.0
State government, except education ...	5.2	5.1	5.1	.1	.1
Local government	86.2	87.2	86.6	-.9	-.3
Local government education	43.3	44.2	43.6	-.9	-.2
Local government, except education ...	42.9	42.9	43.0	.0	-.1

Hours & Earnings of Production or Nonsupervisory Workers^a

Cleveland PMSA

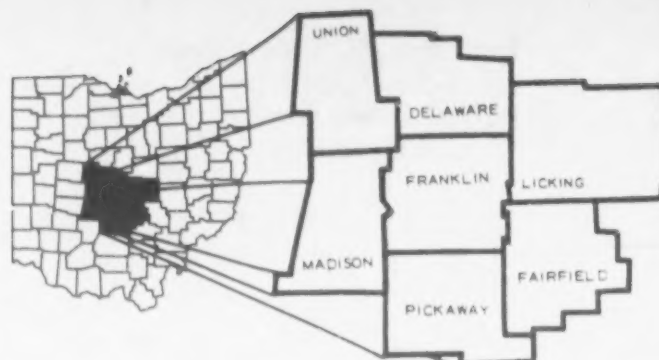
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$534.60	\$538.25	\$503.53	44.0	44.3	43.0	\$12.15	\$12.15	\$11.71
Durable Goods ^e	570.97	577.03	540.85	45.1	45.4	43.9	12.66	12.71	12.32
Primary metal industries	604.29	608.62	602.36	47.1	47.4	46.3	12.83	12.84	13.01
Iron and steel foundries	983.66	982.03	898.39	52.8	53.4	50.9	18.63	18.39	17.65
Fabricated metal products	560.62	587.61	554.03	44.6	45.8	44.5	12.57	12.83	12.45
Fabricated structural metal products	397.79	427.65	381.74	40.1	42.3	39.6	9.92	10.11	9.64
Screw machine products, bolts, etc. ..	589.57	589.36	522.47	47.7	47.3	46.9	12.36	12.46	11.14
Metal forgings and stampings	715.23	768.42	706.80	46.9	49.1	46.5	15.25	15.65	15.20
Machinery, except electrical	567.18	552.80	481.80	46.0	45.2	42.3	12.33	12.23	11.39
Construction and related machinery ..	413.98	417.19	440.82	43.9	44.1	47.4	9.43	9.46	9.30
Metalworking machinery	505.76	501.12	443.81	43.6	43.5	41.4	11.60	11.52	10.72
Special industry machinery	506.34	506.20	483.44	43.5	43.6	40.9	11.64	11.61	11.82
General industrial machinery	521.88	548.42	495.03	45.9	47.4	43.5	11.37	11.57	11.38
Electric and electronic equipment	470.38	466.57	453.23	42.3	42.3	42.2	11.12	11.03	10.74
Electrical industrial apparatus	538.36	545.71	489.94	44.2	45.1	42.2	12.18	12.10	11.61
Transportation equipment	752.47	766.23	711.16	47.0	47.8	46.0	16.01	16.03	15.46
Motor vehicles and equipment	844.77	859.17	780.47	48.3	48.9	46.1	17.49	17.57	16.93
Instruments and related products	414.66	420.58	407.97	41.8	42.1	41.8	9.92	9.99	9.76
Measuring and controlling devices	444.78	460.10	430.73	42.0	43.0	41.9	10.59	10.70	10.28
Nondurable Goods ^f	443.39	439.25	416.97	41.4	41.4	41.0	10.71	10.61	10.17
Food and kindred products	438.88	449.10	381.71	42.2	43.1	41.0	10.40	10.42	9.31
Apparel and other textile products	348.07	339.89	337.74	40.1	39.8	40.4	8.68	8.54	8.36
Paper and allied products	511.56	488.49	476.43	44.1	42.7	42.5	11.60	11.44	11.21
Printing and publishing	416.61	423.55	389.24	37.6	38.4	37.0	11.08	11.03	10.52
Chemicals and allied products	532.77	523.98	515.38	43.0	42.6	43.2	12.39	12.30	11.93
Rubber and misc. plastics products	395.97	386.44	384.88	42.9	42.7	43.1	9.23	9.05	8.93
TRANSPORTATION AND PUBLIC UTILITIES									
Communication, electric, gas services ..	596.26	594.28	583.02	40.7	40.9	41.0	14.65	14.53	14.22
WHOLESALE TRADE	427.45	435.91	400.28	39.8	39.7	38.9	10.74	10.98	10.29
RETAIL TRADE ^h	183.37	190.19	180.29	27.7	28.6	27.4	6.62	6.65	6.58
FINANCE, INSURANCE, AND REAL ESTATE									
Banking	316.64	305.76	301.26						
SERVICES									
Health services									
Hospitals	346.94	345.98	341.17	31.8	31.8	31.3	10.91	10.88	10.90

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	4,793	4,092	4,871
Active File of Job Seekers	55,715	53,156	61,325
Referrals to Jobs	1,614	1,380	1,681
Placements	208	363	285
Job Openings Received	1,247	917	904
Job Openings Unfilled	3,472	3,240	2,205
Unemployment Insurance Program			
Initial Claims	9,954	10,108	11,243
Continued Claims	70,812	54,538	81,615
First Payments	5,785	4,910	6,166
Last Payments	802	808	1,138
Weeks Compensated	53,191	44,866	64,489
Benefits Paid	88,344,950	86,833,160	89,736,382
Average Weekly Payment	\$160.72	\$157.12	\$153.61

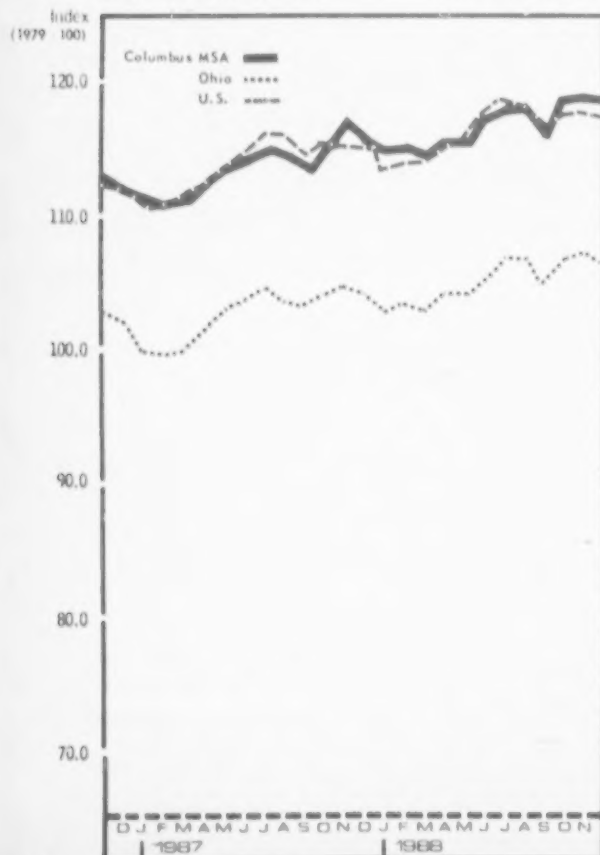
COLUMBUS METROPOLITAN STATISTICAL AREA



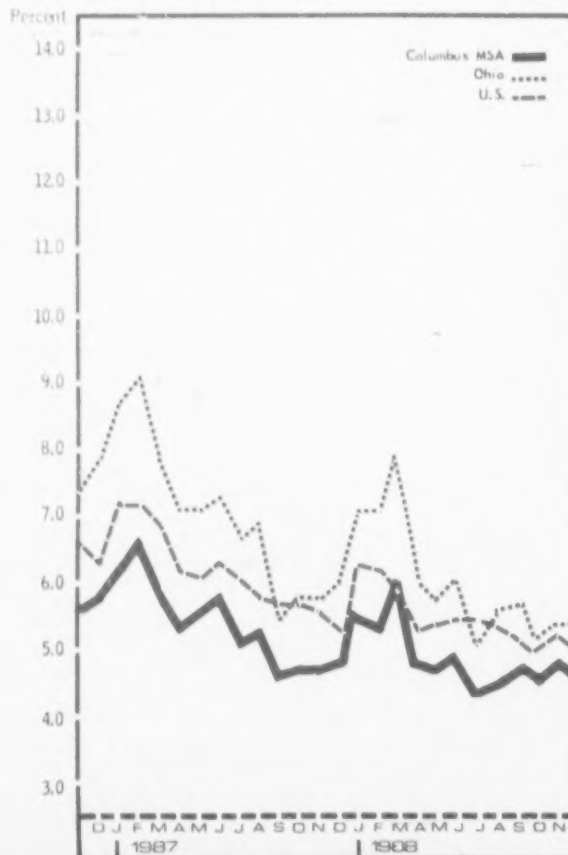
Nonagricultural payroll employment in the Columbus metropolitan area totaled 683,000 in January 1989, down 15,600 from December 1988. Seasonal declines in retail trade, services, and construction helped lower nonmanufacturing employment 14,600. Manufacturing employment decreased 1,000 to 103,000, with losses in transportation equipment and food and kindred products. Factory production workers averaged \$11.72 per hour, down \$.04 from December. Their average workweek of 41.6 hours was .3 hours shorter.

Total nonfarm wage and salary employment advanced 24,500 between January 1988 and January 1989. Primary growth sectors were services and retail trade. Gains were also noted in government and construction. Manufacturing employment increased 800. Moderate expansion occurred in fabricated metal products, rubber and miscellaneous plastics products, and printing and publishing. Employment in transportation equipment and nonelectrical machinery declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

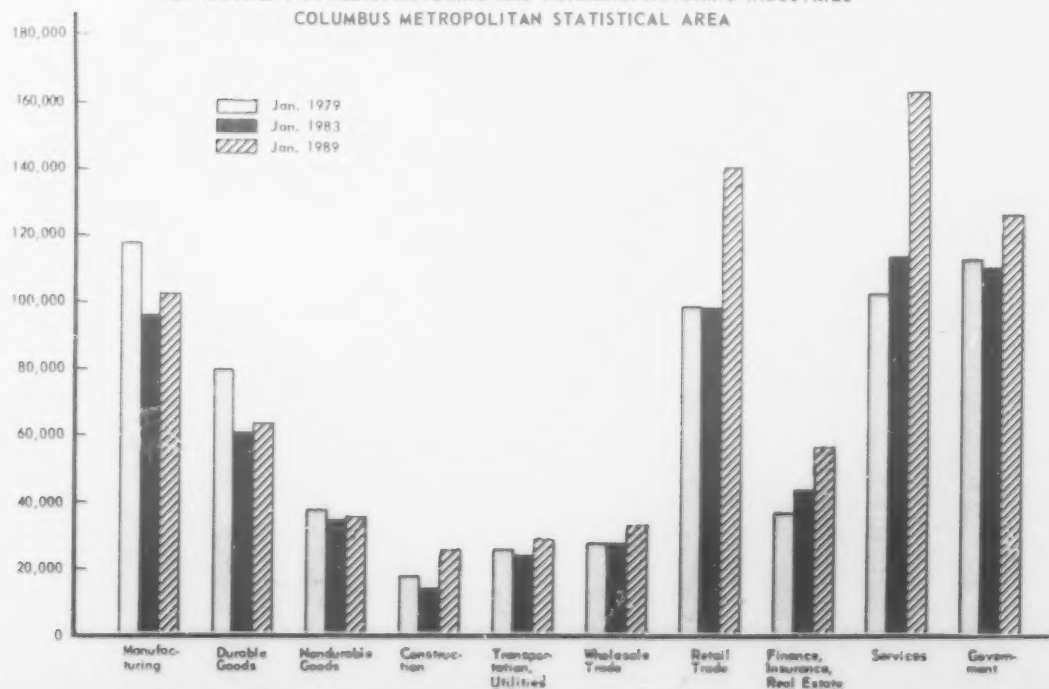


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
					Hours and Earnings					
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
709.6	674.8	34.8	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1987						
704.2	669.8	34.5	4.9	December	677.2	104.1	68.5	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	658.5	102.2	67.1	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	659.2	101.5	66.8	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	664.1	101.0	66.5	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	670.6	101.6	67.1	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	677.6	101.8	67.3	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
714.3	682.1	32.2	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
701.7	669.0	32.7	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
718.0	685.8	32.2	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
721.5	687.2	34.3	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
719.9	686.9	33.0	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
INA	INA	INA	INA	January	683.0	103.0	68.1	487.55	41.6	11.72

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	683.0	698.6	658.5	- 15.6	24.5
MANUFACTURING	103.0	104.0	102.2	- 1.0	.8
Durable Goods ^e	65.3	66.0	65.1	- .7	.2
Stone, clay, and glass products	9.9	10.0	9.9	- .1	.1
Glass and glassware, pressed or blown	3.3	3.2	3.2	.0	.1
Fabricated metal products	9.5	9.5	8.9	.0	.6
Fabricated structural metal products	2.5	2.5	2.4	.0	.1
Machinery, except electrical	9.7	9.7	10.0	- .1	-.3
Electric and electronic equipment	10.4	10.5	10.6	- .1	-.1
Transportation equipment	12.8	13.2	13.5	- .4	-.7
Instruments and related products	4.1	4.2	4.1	- .1	.0
Nondurable Goods ^f	37.7	37.9	37.0	- .3	.6
Food and kindred products	10.1	10.3	10.3	- .2	-.1
Printing and publishing	10.7	10.7	10.3	.0	.4
Chemicals and allied products	6.6	6.6	6.7	.0	.0
Rubber and misc. plastics products	5.8	5.7	5.2	.0	.6
NONMANUFACTURING^g	580.0	594.6	556.3	- 14.6	23.7
CONSTRUCTION	26.6	29.2	24.5	- 2.6	2.1
TRANSPORTATION AND PUBLIC UTILITIES	30.0	30.8	28.7	- .8	1.3
Trucking and warehousing	12.5	13.2	11.8	- .7	.7
Communication, electric, gas services	11.9	12.0	11.9	- .1	.0
WHOLESALE TRADE	35.1	35.8	33.9	- .7	1.2
Wholesale trade-durable goods	22.7	22.9	21.9	- .2	.8
RETAIL TRADE	140.1	146.4	134.5	- 6.3	5.6
General merchandise stores	20.1	22.3	20.8	- 2.2	-.7
FINANCE, INSURANCE, AND REAL ESTATE	58.5	58.8	56.8	- .3	1.7
Banking	11.7	11.7	11.0	.0	.8
Insurance carriers	23.3	23.5	23.0	- .1	.3
SERVICES	161.7	164.4	154.3	- 2.7	7.4
Business services	38.3	39.4	35.4	- 1.0	2.9
Health services	41.9	42.2	40.6	- .2	1.4
Hospitals	19.4	19.3	18.8	.0	.6
GOVERNMENT	127.1	128.2	122.7	- 1.1	4.4
Federal government	15.3	15.4	15.4	- .1	-.1
State government	56.4	57.1	54.3	- .6	2.1
State government education ^h	24.4	25.4	23.4	- 1.0	1.0
State government, except education	32.0	31.7	31.0	.3	1.1
Local government	55.4	55.8	53.0	- .4	2.4
Local government education	33.8	33.8	32.1	.0	1.7
Local government, except education	21.6	22.0	20.9	- .4	.6

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$487.55	\$492.74	\$468.65	41.6	41.9	41.4	\$11.72	\$11.76	\$11.32
Durable Goods ^e	493.31	496.23	474.86	41.7	41.7	41.4	11.83	11.90	11.47
Stone, clay, and glass products	469.85	470.02	464.04	40.4	39.9	39.9	11.63	11.78	11.63
Glass and glassware, pressed or blown	429.37	417.57	443.05	39.5	38.7	39.7	10.87	10.79	11.16
Fabricated metal products	517.08	530.04	498.98	41.3	42.0	40.8	12.52	12.62	12.23
Fabricated structural metal products	460.50	454.30	442.39	41.3	41.3	41.0	11.15	11.00	10.79
Machinery, except electrical	476.27	501.48	460.91	42.6	44.3	43.4	11.18	11.32	10.62
Electric and electronic equipment	458.74	453.26	458.43	40.1	39.9	41.6	11.44	11.36	11.02
Transportation equipment	595.21	586.70	568.49	43.1	42.3	43.1	13.81	13.87	13.19
Instruments and related products	423.34	411.18	396.04	39.9	38.5	38.6	10.61	10.68	10.26
Nondurable Goods ^f	476.51	485.60	456.23	41.4	42.3	41.4	11.51	11.48	11.02
Food and kindred products	433.46	454.76	437.53	40.7	42.7	40.4	10.65	10.65	10.83
Printing and publishing	552.25	579.77	536.67	38.7	40.6	40.2	14.27	14.28	13.35
Chemicals and allied products	611.34	612.39	556.41	44.3	44.7	42.9	13.80	13.70	12.97
Rubber and misc. plastics products	380.14	363.54	349.87	43.1	41.5	41.8	8.82	8.76	8.37
TRANSPORTATION AND PUBLIC UTILITIES	565.21	568.81	568.99	40.2	40.6	40.7	14.06	14.01	13.98
Communication, electric, gas services ..	565.21	568.81	568.99	40.2	40.6	40.7	14.06	14.01	13.98
WHOLESALE TRADE	367.35	361.54	343.82	37.6	37.7	37.7	9.77	9.59	9.12
RETAIL TRADE ^h	193.09	194.83	177.72	29.3	29.7	28.3	6.59	6.56	6.28
FINANCE, INSURANCE, AND REAL ESTATE	269.65	270.27	259.14	33.8	33.7	34.4	10.30	10.45	9.79
Banking	269.65	270.27	259.14	33.8	33.7	34.4	10.30	10.45	9.79
SERVICES	348.14	352.17	336.78	33.8	33.7	34.4	10.30	10.45	9.79
Health services	348.14	352.17	336.78	33.8	33.7	34.4	10.30	10.45	9.79
Hospitals	348.14	352.17	336.78	33.8	33.7	34.4	10.30	10.45	9.79

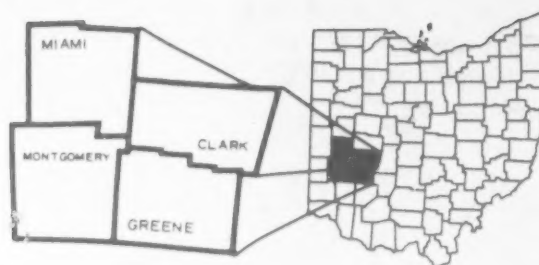
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	5,326	5,057	4,449
Active File of Job Seekers	29,065	26,829	31,742
Referrals to Jobs	2,179	1,483	1,701
Placements	431	562	308
Job Openings Received	987	891	1,197
Job Openings Unfilled	1,684	1,640	2,395
Unemployment Insurance Program			
Initial Claims	6,525	6,009	7,396
Continued Claims	51,224	36,959	51,216
First Payments	4,230	3,258	4,173
Last Payments	461	481	619*
Weeks Compensated	37,985	31,714	45,707
Benefits Paid	\$5,962,113	\$4,970,309	\$7,167,383
Average Weekly Payment	\$163.10	\$162.38	\$159.29

* Revised

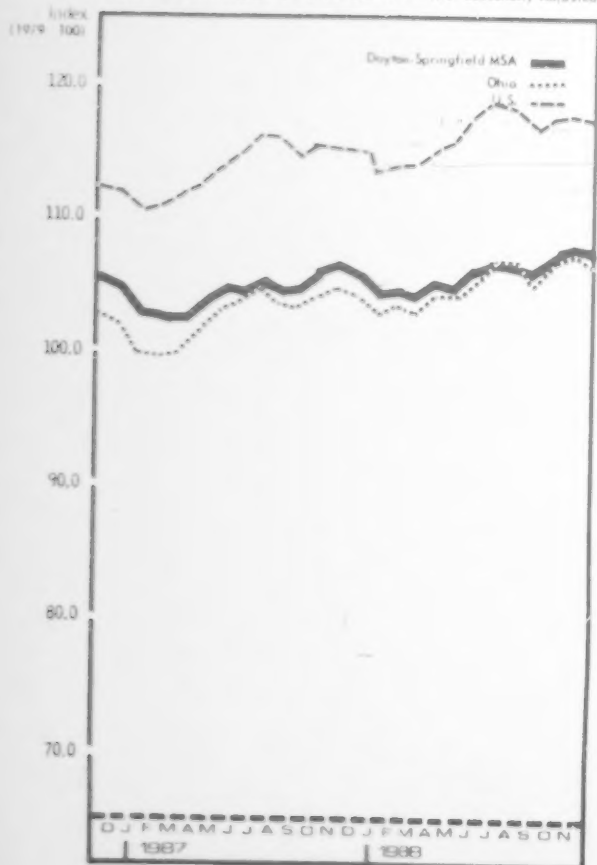
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



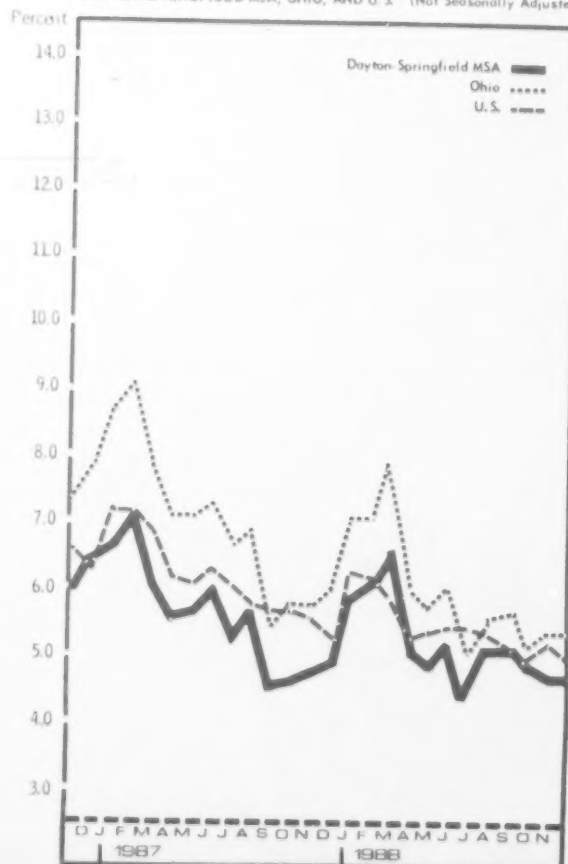
Total nonfarm payroll employment in the Dayton-Springfield metropolitan area declined 10,300 from December 1988 to 437,900 in January 1989. The loss was concentrated in the nonmanufacturing sector. Seasonal decreases occurred in retail trade, construction, and services. Reductions in transportation equipment and scattered losses in nondurable goods lowered manufacturing employment 500 to 105,000. Factory production workers averaged \$13.02 per hour, up \$.07 from December. Their average workweek of 44.0 hours was .4 hours shorter.

Nonagricultural wage and salary employment advanced 11,400 between January 1988 and January 1989. Primary growth industries were services, retail trade, and construction. Manufacturing employment increased 1,600 over the year with significant expansion in nonelectrical machinery. Employment in printing and publishing, paper and allied products, and fabricated metal products declined.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

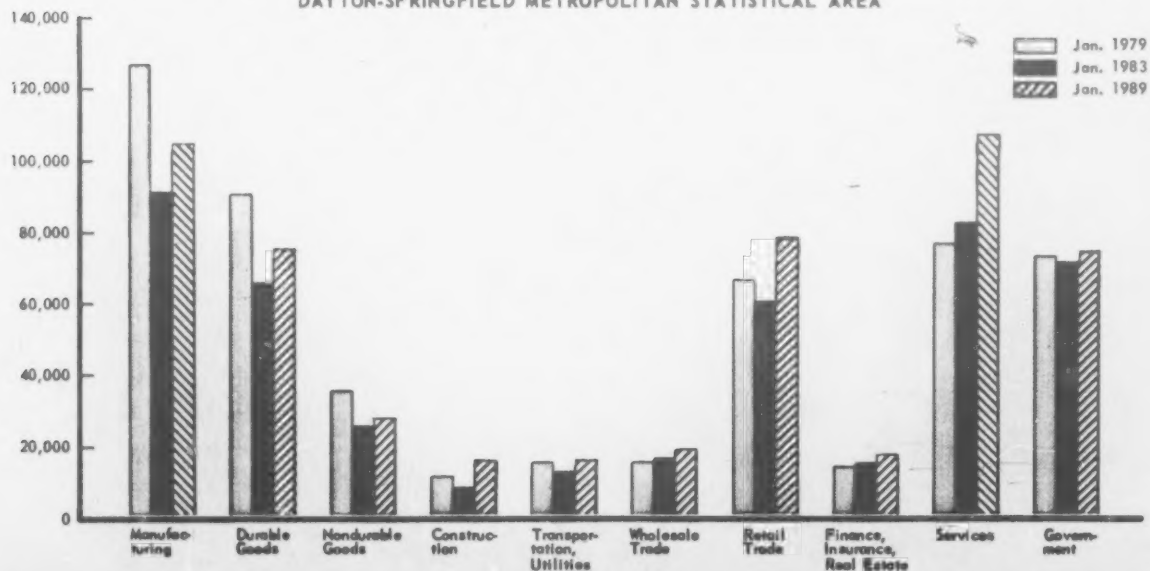


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total				Hours and Earnings						
Rate				Average Weekly Earnings						
				Average Weekly Hours						
				Average Hourly Earnings						
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	429.8	104.3	67.1	499.38	42.0	11.89
466.8	442.5	24.2	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1987						
464.0	440.4	23.6	5.1	December	441.9	105.1	67.8	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	426.5	103.4	66.1	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.0	103.0	65.8	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	429.8	103.9	66.7	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	433.4	104.4	67.3	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	432.3	104.8	67.2	525.34	42.4	12.39
468.2	444.5	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
465.3	441.4	23.9	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
472.2	449.5	22.7	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
472.5	450.4	22.1	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
471.2	449.3	21.9	4.7	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
INA	INA	INA	INA	January	437.9	105.0	67.7	572.88	44.0	13.02

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	437.9	448.2	426.5	+ 10.3	11.4
MANUFACTURING	105.0	105.5	103.4	+ .5	1.6
Durable Goods ^e	75.9	76.1	73.9	+ .2	2.0
Fabricated metal products	8.3	8.4	8.4	+ .1	+ .1
Machinery, except electrical	31.3	31.2	30.1	.1	1.2
Metalworking machinery	6.8	6.7	6.7	.1	.1
General industrial machinery	2.9	2.8	2.7	.0	.1
Electric and electronic equipment	5.9	5.8	5.9	.1	.0
Electrical industrial apparatus	3.4	3.3	3.3	.1	.1
Transportation equipment	20.8	21.0	20.6	+ .3	.1
Nondurable Goods ^f	29.1	29.3	29.5	+ .3	+ .4
Food and kindred products	3.0	3.1	2.9	+ .1	.1
Paper and allied products	5.8	5.9	6.0	+ .1	+ .1
Printing and publishing	8.7	8.9	9.0	+ .1	+ .2
Rubber and misc. plastics products	7.9	7.9	8.0	.0	.0
NONMANUFACTURING^g	332.9	342.8	323.2	+ 9.9	9.7
CONSTRUCTION	16.5	18.8	14.8	+ 2.2	1.8
TRANSPORTATION AND PUBLIC UTILITIES	16.6	17.3	16.3	+ .6	.3
Communication, electric, gas services ..	5.3	5.5	5.7	+ .2	+ .4
WHOLESALE TRADE	19.9	20.2	19.1	+ .2	.8
Wholesale trade-durable goods	13.6	13.8	13.2	+ .2	.4
RETAIL TRADE	79.5	84.0	77.3	+ 4.5	2.2
General merchandise stores	11.9	13.2	12.0	+ 1.3	+ .2
FINANCE, INSURANCE, AND REAL ESTATE	18.0	18.2	17.7	+ .2	.2
Banking	4.2	4.2	4.1	.0	.1
Credit agencies other than banks	4.8	4.7	4.9	.1	+ .1
Insurance carriers	3.0	3.0	3.0	.0	.0
SERVICES	107.6	109.2	103.6	+ 1.6	4.0
Business services	26.0	26.6	24.4	+ .6	1.6
Health services	37.2	37.3	36.2	+ .2	1.0
Hospitals	19.4	19.3	18.9	.0	.5
Educational services	8.2	9.0	8.4	+ .8	+ .2
GOVERNMENT	74.4	74.8	74.1	+ .4	.4
Federal government	27.6	27.6	27.6	.0	.1
State government	7.2	7.3	7.3	+ .1	+ .1
State government education ^h	4.2	4.4	4.4	+ .2	+ .1
State government, except education ...	3.0	2.9	2.9	.1	.0
Local government	39.6	39.9	39.2	+ .4	.4
Local government education	24.6	25.0	24.8	+ .3	+ .1
Local government, except education ...	14.9	15.0	14.4	.0	.5

Dayton-Springfield MSA

**Hours & Earnings
of Production or
Nonsupervisory
Workers^a**

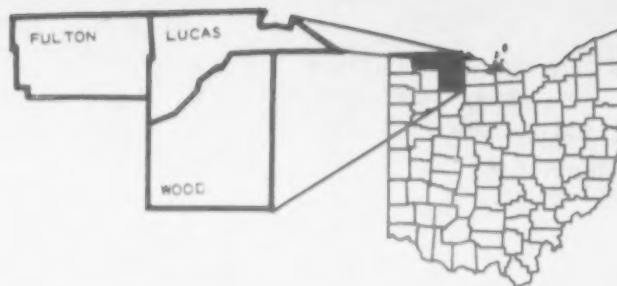
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$572.88	\$574.98	\$507.24	44.0	44.4	42.2	\$13.02	\$12.95	\$12.02
Durable Goods ^e	585.20	583.40	513.57	44.3	44.5	42.2	13.21	13.11	12.17
Fabricated metal products	399.42	413.76	403.12	42.0	43.1	43.3	9.51	9.60	9.31
Machinery, except electrical	620.17	607.47	553.41	45.5	45.3	43.0	13.63	13.41	12.87
Metalworking machinery	592.05	602.88	551.30	47.1	48.0	45.3	12.57	12.56	12.17
General industrial machinery	508.56	564.06	436.48	44.3	47.6	41.1	11.48	11.85	10.62
Electric and electronic equipment	480.35	467.16	454.02	46.5	45.8	46.0	10.33	10.20	9.87
Electrical industrial apparatus	599.39	598.89	546.61	50.2	50.2	49.2	11.94	11.93	11.11
Transportation equipment	743.20	747.84	608.28	45.4	45.6	41.1	16.37	16.40	14.80
Nonurable Goods ^f	537.79	547.80	488.78	43.3	44.0	42.1	12.42	12.45	11.61
Food and kindred products	382.20	386.33	344.35	42.0	42.5	40.8	9.10	9.09	8.44
Paper and allied products	506.81	542.16	513.47	45.7	47.6	46.3	11.09	11.39	11.09
Printing and publishing	455.46	460.75	421.37	39.4	40.1	38.8	11.56	11.49	10.86
Rubber and misc. plastics products	737.37	738.89	611.48	44.5	44.7	41.4	16.57	16.53	14.77
TRANSPORTATION AND PUBLIC UTILITIES	546.06	548.40	538.00	39.8	40.0	40.0	13.72	13.71	13.45
Communication, electric, gas services ..	546.06	548.40	538.00	39.8	40.0	40.0	13.72	13.71	13.45
WHOLESALE TRADE	401.18	408.03	409.94	39.8	40.2	39.8	10.08	10.15	10.30
RETAIL TRADE ^h	169.63	173.75	156.02	28.8	29.4	26.9	5.89	5.91	5.80
SERVICES	359.46	359.44	371.98	34.3	34.2	34.7	10.48	10.51	10.72
Health services	359.46	359.44	371.98	34.3	34.2	34.7	10.48	10.51	10.72
Hospitals	359.46	359.44	371.98	34.3	34.2	34.7	10.48	10.51	10.72

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	3,003	2,313	2,375
Active File of Job Seekers	12,098	10,797	19,360
Referrals to Jobs	1,349	923	853
Placements	263	261	165
Job Openings Received	727	469	559
Job Openings Unfilled	1,384	1,343	2,041
Unemployment Insurance Program			
Initial Claims	4,729	5,376	4,679
Continued Claims	32,052	23,262	34,438
First Payments	2,417	2,074	2,569
Last Payments	301	320	394
Weeks Compensated	22,845	20,043	27,932
Benefits Paid	\$3,274,333	\$2,846,918	\$3,978,584
Average Weekly Payment	\$148.30	\$147.30	\$145.59

TOLEDO METROPOLITAN STATISTICAL AREA

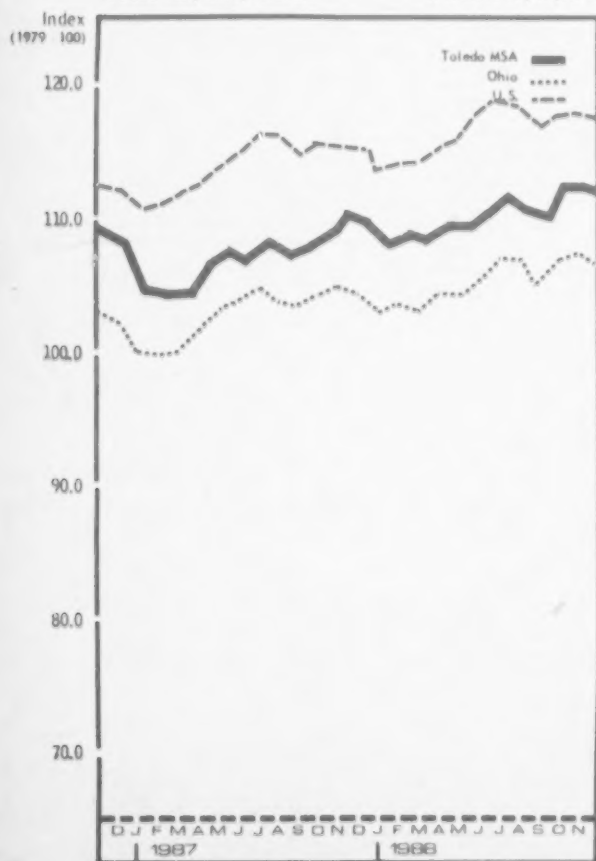


In the Toledo metropolitan area, nonagricultural payroll employment totaled 286,300 in January 1989, down 6,100 from December 1988. Nonmanufacturing employment declined 6,000 due to seasonal reductions in retail trade, services, and construction. Manufacturing employment was 100 lower at 62,200. Decreases in stone, clay, and glass products and primary metal industries offset a slight improvement in rubber and miscellaneous plastics products. Factory production worker average hourly earnings, at \$13.27, dropped \$.03 from December. Their average workweek of 43.7 hours was .6 hours shorter.

Total nonfarm wage and salary employment advanced 9,100 between January 1988 and January 1989. The improvement was concentrated in the nonmanufacturing sector. Noteworthy expansion occurred in retail trade, services, government, and construction. The manufacturing workforce increased 400. Modest growth was recorded in food and kindred products, primary metal industries, and fabricated metal products. Employment in stone, clay, and glass products, electric and electronic equipment, and transportation equipment declined.

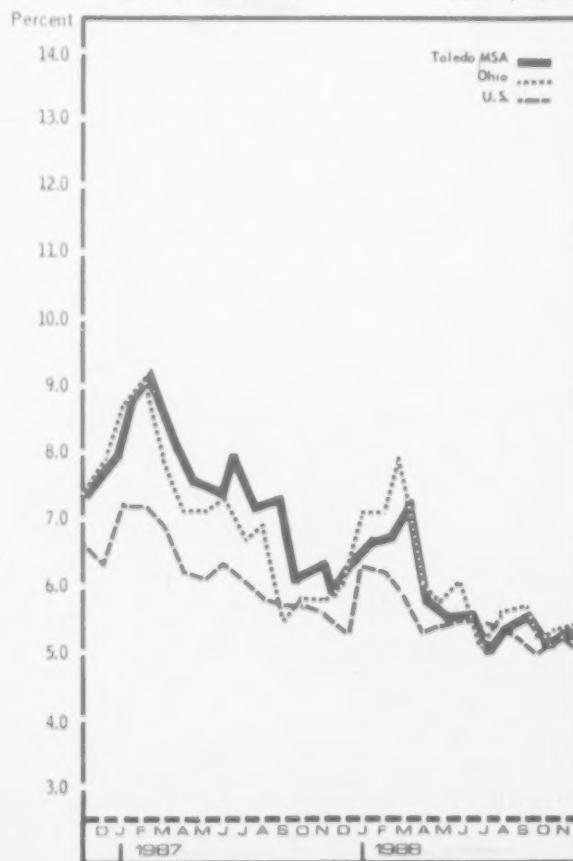
INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

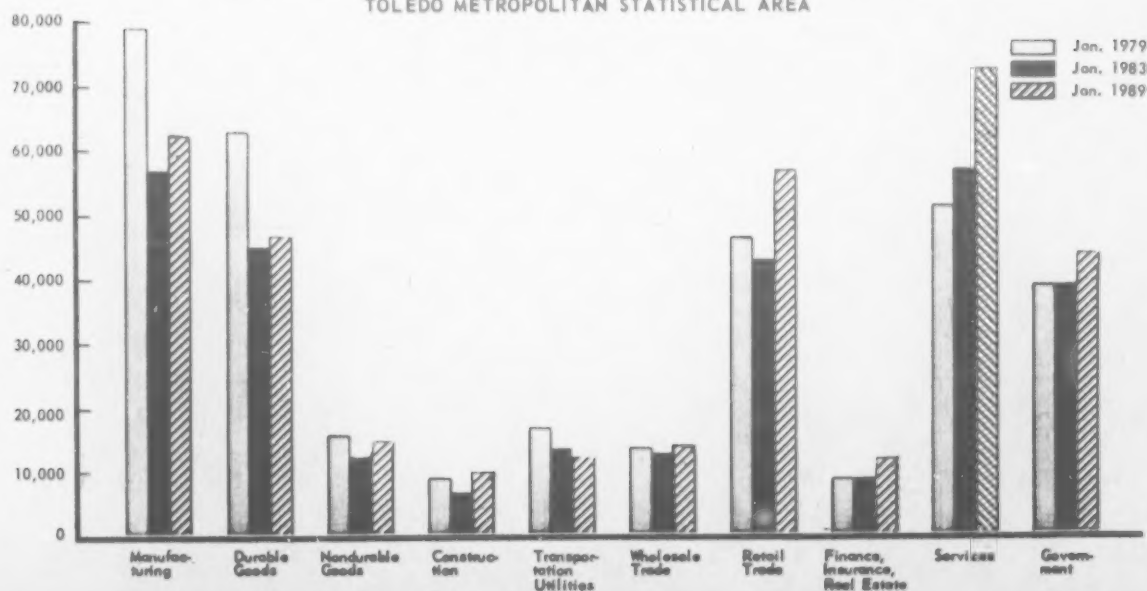


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total Employed				Manufacturing Employment						
Unemployed				Manufacturing Production Workers						
Total				Hours and Earnings						
Rate				Average Weekly Earnings						
				Average Weekly Hours						
				Average Hourly Earnings						
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
313.3	295.2	18.0	5.8	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1987						
313.2	293.4	19.8	6.3	December	285.9	63.1	45.0	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	277.2	61.9	44.5	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	276.1	61.2	43.8	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	279.4	61.7	44.2	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	282.4	61.9	44.3	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	285.5	63.5	45.7	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	283.1	63.1	45.2	543.93	42.1	12.92
314.1	297.2	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
312.7	295.0	17.7	5.6	September	289.5	63.6	45.8	586.49	44.6	13.15
317.0	300.8	16.2	5.1	October	291.3	62.8	45.0	585.64	44.4	13.19
318.0	301.0	17.0	5.3	November	294.5	62.6	44.9	605.69	45.1	13.43
316.5	300.0	16.5	5.2	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
INA	INA	INA	INA	January	286.3	62.2	44.5	579.90	43.7	13.27

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	286.3	292.4	277.2	- 6.1	9.1
MANUFACTURING	62.2	62.4	61.9	- .1	.4
Durable Goods ^e	47.1	47.3	47.2	- .3	- .2
Stone, clay, and glass products	7.5	7.5	7.8	- .1	- .3
Primary metal industries	3.6	3.7	3.4	- .1	.2
Fabricated metal products	7.3	7.3	7.1	.0	.2
Metal forgings and stampings	2.9	2.9	3.0	.0	- .1
Machinery, except electrical	6.0	6.0	5.9	.0	.1
Electric and electronic equipment	2.2	2.2	2.5	.0	- .3
Transportation equipment	15.7	15.7	16.0	.0	- .2
Motor vehicles and equipment	14.8	14.8	15.1	.0	- .4
Nondurable Goods ^f	15.2	15.0	14.6	.1	.5
Food and kindred products	4.1	4.2	3.7	.0	.4
Rubber and misc. plastics products	3.5	3.4	3.4	.1	.1
NONMANUFACTURING^g	224.1	230.0	215.3	- 6.0	8.8
CONSTRUCTION	10.0	11.3	8.7	- 1.3	1.3
TRANSPORTATION AND PUBLIC UTILITIES	12.8	13.3	12.9	- .6	- .1
Trucking and warehousing	5.2	5.6	5.3	- .3	.0
Communication, electric, gas services ..	4.7	4.8	4.7	.0	.0
WHOLESALE TRADE	14.9	14.9	14.6	- .1	.2
Wholesale trade-durable goods	9.9	10.0	9.7	- .1	.2
RETAIL TRADE	56.8	59.5	54.1	- 2.7	2.7
General merchandise stores	8.9	9.7	8.4	- .9	.4
FINANCE, INSURANCE, AND REAL ESTATE	12.4	12.5	12.2	- .1	.2
Banking	3.8	3.8	3.7	.0	.1
SERVICES	72.7	74.3	70.1	- 1.5	2.6
Business services	15.4	15.9	14.5	- .4	.9
Health services	27.1	27.3	26.7	- .2	.4
Hospitals	14.9	15.0	15.0	- .1	- .1
GOVERNMENT	44.3	43.9	42.5	.4	1.8
State government	16.4	15.8	15.3	.6	1.1
State government education ^h	12.2	11.6	11.2	.5	1.0
State government, except education ...	4.2	4.2	4.1	.0	.2
Local government	25.3	25.5	24.6	- .2	.7
Local government education	14.9	15.1	14.4	- .2	.4
Local government, except education ...	10.4	10.4	10.2	.0	.3

Hours & Earnings of Production or Nonsupervisory Workers^a

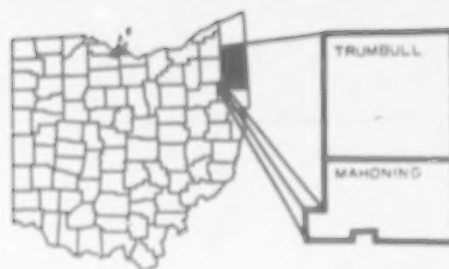
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$579.90	\$589.19	\$572.47	43.7	44.3	43.7	\$13.27	\$13.30	\$13.10
Durable Goods ^e	605.49	614.21	597.52	44.1	44.8	44.0	13.73	13.71	13.58
Stone, clay, and glass products	495.20	519.62	510.94	38.9	40.5	40.2	12.73	12.83	12.71
Primary metal industries	527.85	514.83	483.75	46.1	45.2	43.0	11.45	11.39	11.25
Fabricated metal products	551.23	555.14	601.81	46.4	46.3	46.4	11.88	11.99	12.97
Metal forgings and stampings	693.09	703.95	769.20	45.9	46.1	48.9	15.10	15.27	15.73
Machinery, except electrical	527.56	537.56	520.80	43.6	44.5	43.4	12.10	12.08	12.00
Electric and electronic equipment	578.22	578.75	561.92	46.0	46.3	43.9	12.57	12.50	12.80
Transportation equipment	769.98	786.78	734.95	45.4	46.5	45.2	16.96	16.92	16.26
Motor vehicles and equipment	774.98	793.60	741.56	45.4	46.6	45.3	17.07	17.03	16.37
Nondurable Goods ^f	492.37	503.96	479.40	42.3	42.6	42.5	11.64	11.83	11.28
Food and kindred products	554.27	619.25	564.89	42.9	45.3	45.3	12.92	13.67	12.47
Rubber and misc. plastics products	374.33	354.90	347.33	41.5	40.7	41.3	9.02	8.72	8.41
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	586.49	586.30	598.01	40.7	41.0	41.1	14.41	14.30	14.55
WHOLESALE TRADE	384.74	389.47	370.37	39.1	39.5	38.5	9.84	9.86	9.62
RETAIL TRADE ^h	159.04	165.02	159.57	28.0	28.9	28.7	5.68	5.71	5.56

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	2,178	2,046	1,997
Active File of Job Seekers	17,984	16,456	17,188
Referrals to Jobs	1,034	1,056	797
Placements	372	401	239
Job Openings Received	463	417	411
Job Openings Unfilled	810	854	611
Unemployment Insurance Program			
Initial Claims	4,388	4,108	5,438
Continued Claims	27,768	19,822	28,104
First Payments	2,374	1,724	2,075
Last Payments	252	261	351
Weeks Compensated	20,538	16,925	21,706
Benefits Paid	\$3,158,695	\$2,523,288	\$3,202,359
Average Weekly Payment	\$160.19	\$155.48	\$150.97

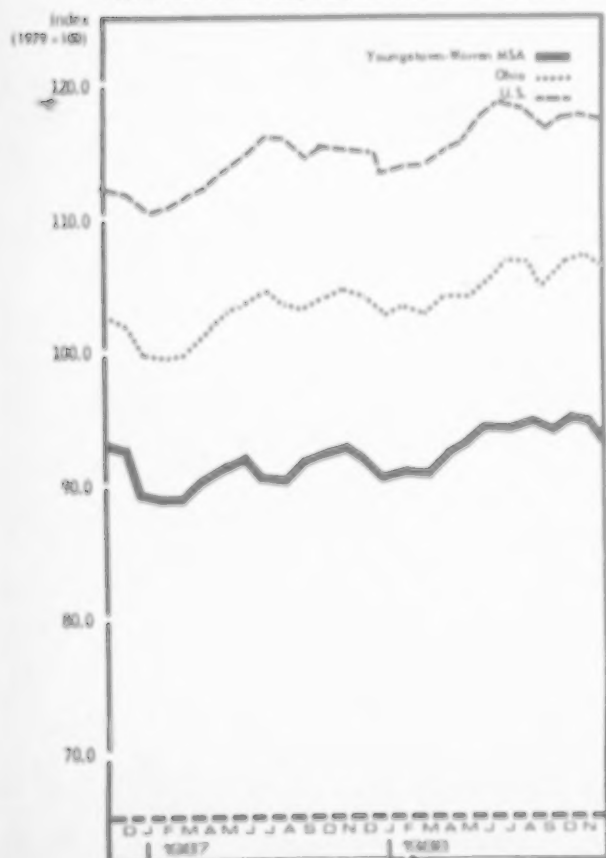
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



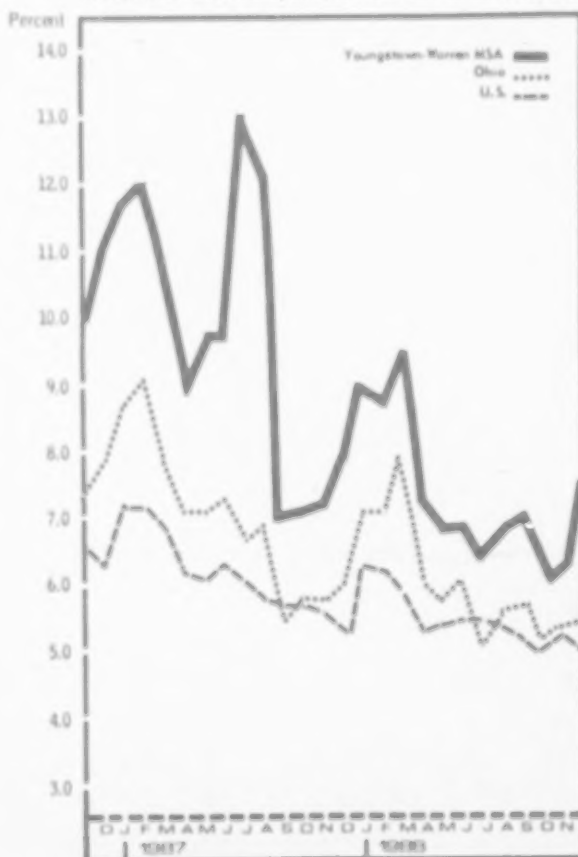
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 193,800 in January 1989, down 3,000 from December 1988. Nonmanufacturing employment declined 4,200 with seasonal losses in retail trade and construction. The return of transportation equipment workers from a temporary model changeover shutdown raised manufacturing employment 1,300 to 51,100. Employment in nearly all other manufacturing industries declined. Factory production workers averaged \$13.79 per hour, increasing \$.13 from December. Their average workweek of 43.7 hours was .2 hours longer.

Nonfarm wage and salary employment advanced 6,500 between January 1988 and January 1989. Primary growth industries were services and retail trade. Gains were also noted in construction and wholesale trade. Manufacturing employment increased 1,700 over the year with improvements in primary metal industries, fabricated metal products, nonelectrical machinery, and transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

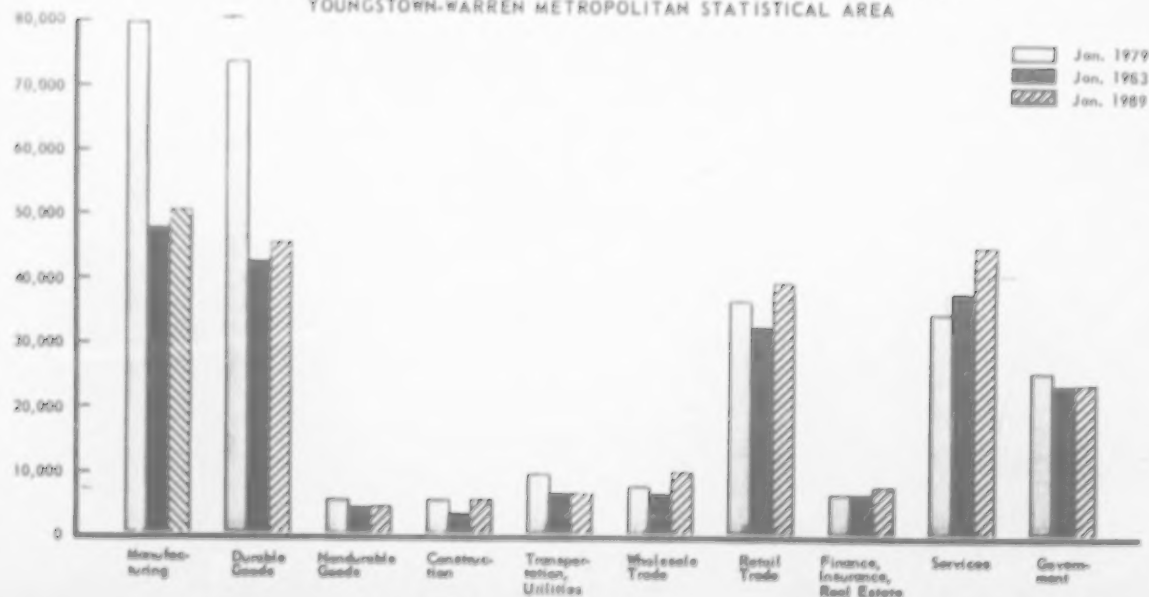


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total Employed					Manufacturing Employment					
Unemployed					Manufacturing Production Workers					
					Hours and Earnings					
					Average Weekly Earnings		Average Weekly Hours		Average Hourly Earnings	
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.2	205.0	16.3	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1987						
219.1	201.7	17.4	7.9	December	193.0	50.0	38.1	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.2	49.4	37.6	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.7	49.6	37.7	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.4	50.0	38.1	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	196.9	51.1	39.2	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	192.6	48.9	36.9	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
221.2	205.8	15.4	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
222.2	208.8	13.4	6.0	October	198.0	51.7	39.7	586.09	43.0	13.63
222.5	208.4	14.1	6.3	November	199.8	51.9	39.8	593.71	43.4	13.68
222.0	205.4	16.6	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
INA	INA	INA	INA	January	193.8	51.1	39.1	602.62	43.7	13.79

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown - Warren MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	January 1989 ^b	December 1988 ^c	January 1988 ^c	From Last Month	From Last Year
TOTAL	193.8	196.7	187.2	- 3.0	6.5
MANUFACTURING	51.1	49.8	49.4	1.3	1.7
Durable Goods ^e	46.0	44.6	44.4	1.5	1.7
Primary metal industries	19.1	19.5	18.3	- .4	.8
Blast furnace and basic steel products	5.6	5.8	5.9	- .2	- .3
Fabricated metal products	7.5	7.6	7.2	- .1	.3
Machinery, except electrical	3.9	3.9	3.6	.0	.2
Electric and electronic equipment	2.4	2.4	2.4	.0	.0
Transportation equipment	9.9	8.0	9.7	1.9	.2
Nondurable Goods ^f	5.1	5.3	5.0	- .2	.1
NONMANUFACTURING ^g	142.7	146.9	137.9	- 4.2	4.8
CONSTRUCTION	6.4	7.5	5.8	- 1.1	.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.8	7.3	- .3	.2
Communication, electric, gas services	2.5	2.8	2.9	.0	- .1
WHOLESALE TRADE	10.3	10.5	9.7	- .2	.6
Wholesale trade-durable goods	6.7	6.7	6.3	.0	.4
RETAIL TRADE	39.8	41.3	38.7	- 1.5	1.1
General merchandise stores	5.3	5.7	5.5	- .5	- .2
FINANCE, INSURANCE, AND REAL ESTATE	8.2	8.3	8.1	.0	-.1
Banking	2.7	2.8	2.8	.0	.0
SERVICES	45.4	45.7	43.2	- .4	2.1
Health services	20.6	20.8	20.0	- .2	.6
Hospitals	10.8	10.7	10.4	.0	.3
GOVERNMENT	24.4	25.0	24.3	- .6	.1
State government	4.1	4.6	4.0	- .6	.1
State government education ^h	2.6	3.1	2.5	- .6	.1
State government, except education ...	1.5	1.5	1.5	.0	.0
Local government	18.2	18.2	18.3	.0	.0
Local government education	11.9	11.9	12.2	.0	- .2
Local government, except education ...	6.3	6.3	6.1	.0	.2

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c	Jan. 1989 ^b	Dec. 1988 ^c	Jan. 1988 ^c
MANUFACTURING	\$602.62	\$594.21	\$557.61	43.7	43.5	41.8	\$13.79	\$13.66	\$13.34
Durable Goods ^e	618.20	611.97	571.20	44.0	43.9	42.0	14.05	13.94	13.60
Primary metal industries	664.46	660.74	606.94	43.6	43.7	41.6	15.24	15.12	14.59
Blast furnace and basic steel products	662.75	643.57	604.78	43.9	46.3	44.6	13.73	13.90	13.56
Fabricated metal products	597.64	562.59	542.75	44.5	42.3	41.4	13.43	13.30	13.11
Machinery, except electrical	507.92	512.11	505.61	43.9	44.3	43.4	11.57	11.56	11.65
Electric and electronic equipment	448.67	442.86	462.87	39.6	39.4	41.7	11.33	11.24	11.10
Transportation equipment	682.74	700.63	627.88	46.1	47.5	42.8	14.81	14.75	14.67
Nondurable Goods ^f	423.31	406.36	406.36	40.2	39.3	39.3	10.53	10.34	10.34
TRANSPORTATION AND PUBLIC UTILITIES									
Communication, electric, gas services ..	568.03	559.40	537.77	40.2	40.1	39.6	14.13	13.95	13.58
WHOLESALE TRADE	368.16	377.06	345.92	39.0	39.4	37.6	9.44	9.57	9.20
RETAIL TRADE ^h	177.70	184.83	171.03	28.8	30.3	28.6	6.17	6.10	5.98

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1989	December 1988	January 1988
Employment Service Program			
New Applicants	2,066	1,415	2,174
Active File of Job Seekers	15,382	14,487	15,946
Referrals to Jobs	1,123	796	1,633
Placements	259	238	419
Job Openings Received	519	330	576
Job Openings Unfilled	581	489	419
Unemployment Insurance Program			
Initial Claims	4,208	4,565	5,833
Continued Claims	25,949	24,409	26,119
First Payments	2,358	3,251	2,328
Last Payments	249	241	334
Weeks Compensated	19,243	20,312	22,765
Benefits Paid	\$2,799,824	\$3,199,354	\$3,198,729
Average Weekly Payment	\$150.23	\$163.98	\$144.01

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in: national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	.40	.2
Manufacturing	.56	.3
Nonmanufacturing	.35	.2
Mining	.56	1.1
Construction	.17	1.1
Transportation and Public Utilities	.43	.3
Wholesale Trade	.19	.3
Retail Trade	.20	.4
Finance, Insurance, and Real Estate	.42	.2
Services	.26	.3
Government	.70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	January 1989	December 1988	January 1988
New Applicants	41,943	31,650	40,602
Active File of Job Seekers	252,036	232,223	278,099
Counseling Interviews	1,098	923	1,069
Tests Administered	1,652	1,048	6,835
General Aptitude Tests	102	76	543
Proficiency Tests	329	197	469
Specific Aptitude Tests	338	315	1,688
Referrals to Jobs	20,202	16,946	20,091
Placements	4,344	4,180	3,603
Job Openings Received	11,070	6,861	8,399
Job Openings Unfilled	19,179	17,520	16,301

Selected Unemployment Insurance Activities

	January 1989	December 1988	January 1988
Initial Claims	78,656	72,994	87,845
Continued Claims	510,882	371,296	549,700
First Payments	43,582	33,917	44,622
Last Payments	5,058	4,984	6,257*
Average Weekly Claimants	113,358	84,895	132,314
Average Weekly Benefit Recipients	90,229	69,005	101,593
Weeks Compensated	373,474	315,382	449,708
Benefits Paid	\$57,196,981	\$47,824,025	\$67,287,861
Average Weekly Payment	\$158.55	\$157.22	\$153.48
Continued Claims for Survey Week	115,460	87,702	133,318*
Insured Unemployment Rate	2.6	1.9	3.1
Net Contributions	\$17,519,587	\$5,205,627	\$24,396,020
Active Employer Accounts	201,677	201,646	198,003

* Revised

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Official Business
Penalty for Private Use \$300



Postage and Fees Paid
Employment Security Mail
Lab 441

LMI/F
STATISTICAL REFERENCE INDEX
CONGRESSIONAL INFO. SERVICE
4520 EAST-WAY HWY.
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio Labor Market Information

Labor Market Review

362701
4/28/89

February 1989

Summary. The seasonally adjusted unemployment rate in Ohio fell from 6.1 percent in January to 5.2 percent in February 1989. The rate for the country as a whole dropped from 5.4 percent to 5.1 percent. Total employment in Ohio rose for the fifth straight month to an all-time high of 5,152,000, up 58,000 from January. The number of workers unemployed in the State, at 280,000, was down 52,000 from last month. Seasonally adjusted nonagricultural wage and salary employment totaled 4,773,000 in February, up 9,000 from January. (See page 3.)

Factory Employment. Manufacturing employment totaled 1,118,000 in February, a decline of 4,000 from January. Losses among producers of durable goods, especially fabricated metal products, accounted for most of the change. Employment in durable goods was reduced from 757,000 in January to 754,000 in February, while nondurable goods was fractionally lower over the month.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 13,000 from January to 3,655,000 in February. The improvement was concentrated in services, up 4,000, and in retail trade and government, up 3,000 each. Employment in construction and finance, insurance, and real estate advanced slightly. Other major divisions in nonmanufacturing registered no changes in February.

Over the Year. Ohio's unemployment rate dropped from 6.4 percent in February 1988 to 5.2 percent in February 1989. The U.S. rate, at 5.1 percent in February 1989, was down from 5.7 percent a year ago. Total employment in the State advanced 138,000 from February 1988; the number unemployed dropped 61,000. Nonagricultural wage and salary employment rose 128,000 over the year, boosted by significant increases in services (+43,000) and retail trade (+31,000). Noteworthy improvements were also reported in construction and wholesale trade. With the exception of mining, where no improvement was reported, other nonmanufacturing divisions also registered gains. Manufacturing employment increased 15,000 from February 1988 to February 1989. Most of the change was recorded in durable-goods industries.

Factory Hours and Earnings. Manufacturing production workers in Ohio earned \$526.68 in February, down \$.79 from January. Their average workweek, 43.1 hours, was .1 hours shorter. Sizable declines in hours and earnings due to less overtime in iron and steel foundries, nonferrous rolling and drawing mills, and paperboard containers and boxes were nearly offset by increases in motor vehicles and equipment.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 46,056 in February, down 41.4 percent from January 1989; down 19.0 percent from February 1988. The average weekly benefit check increased \$2.49 to \$161.04 over the month.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Total benefits paid were up 12.1 percent to \$64.1 million. The average weekly number of benefit recipients rose 13.1 percent from January to 102,045 in February. There were 202,136 active employer accounts at the end of the month.

Employment Service. The Ohio Bureau of Employment Services assisted 39,842 new job applicants in February, up 5.0 percent from January, but down 9.1 percent from February 1988. Job openings received from employers declined 15.1 percent from January, to 9,402. The Employment Services Division made 24,630 job referrals and 4,366 placements.

Job Training Partnership and Your Business

JTP-Ohio is a state job training program under the Job Training Partnership Act (JTPA). The federal law, JTPA, provides states with funds to help youths and adults who are unemployed, dislocated, or have other barriers to employment, train for jobs and become employed.

There are three basic program classifications under JTPA.

- * Training and retraining for economically disadvantaged youths and adults are created under Title II-A.
- * Summer employment programs for youths are authorized under Title II-B.
- * Programs to serve dislocated workers whose jobs are lost through plant closings, permanent layoffs, or other causes beyond their control, are authorized under Title III.

For further information about JTP-Ohio, contact your local Ohio Bureau of Employment Services office, JTPA office, Private Industry Council or the state JTP-Ohio office at (614) 466-3817.

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	February 1989	January 1989	February 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,432	5,426	5,355	6	77	0.1	1.4
Employment	5,152	5,094	5,014	58	138	1.1	2.8
Unemployment	280	332	341	-52	-61	-15.7	-17.9
Unemployment Rate	5.2	6.1	6.4				
Employer Survey Data^e							
Total	4,773	4,764	4,644	9	128	0.2	2.8
Manufacturing	1,118	1,122	1,103	-4	15	-0.4	1.4
Durable Goods	754	757	743	-3	11	-0.4	1.5
Nondurable Goods	364	364	359	-1	4	-0.3	1.1
Nonmanufacturing	3,655	3,642	3,542	13	113	0.3	3.2
Mining	19	19	20	0	0	1.2	-1.3
Construction	197	196	182	1	15	0.5	8.0
Transportation and Public Utilities	214	213	210	0	4	0.1	1.7
Wholesale Trade	260	259	251	0	9	0.1	3.5
Retail Trade	899	896	868	3	31	0.4	3.6
Finance, Insurance, and Real Estate	254	253	247	1	6	0.4	2.5
Services	1,116	1,112	1,073	4	43	0.4	4.0
Government	696	693	690	3	6	0.4	0.8
Goods Producing Industries ^f	1,334	1,337	1,304	-3	30	-0.2	2.3
Service Producing Industries ^g	3,438	3,427	3,340	11	98	0.3	2.9

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers.

^cPercentages are computed from unrounded numbers.

^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

^fIncludes Mining, Construction, and Manufacturing.

^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,282	4,837	445	8.4	6.6
5,220	4,837	383	7.3	6.5
5,237	4,856	381	7.3	6.3
5,290	4,897	393	7.4	6.3
5,261	4,885	376	7.1	6.1
5,272	4,895	377	7.2	6.0
5,242	4,877	365	7.0	6.0
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1

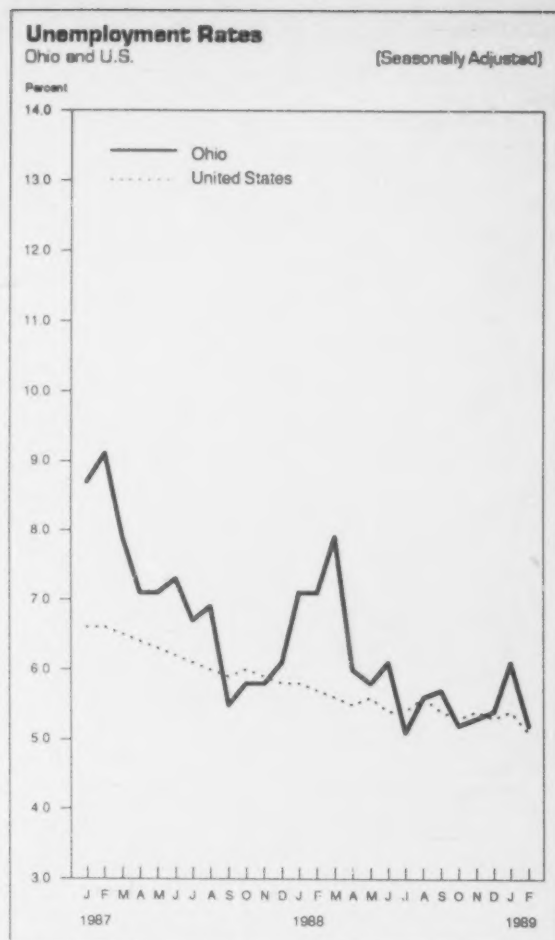
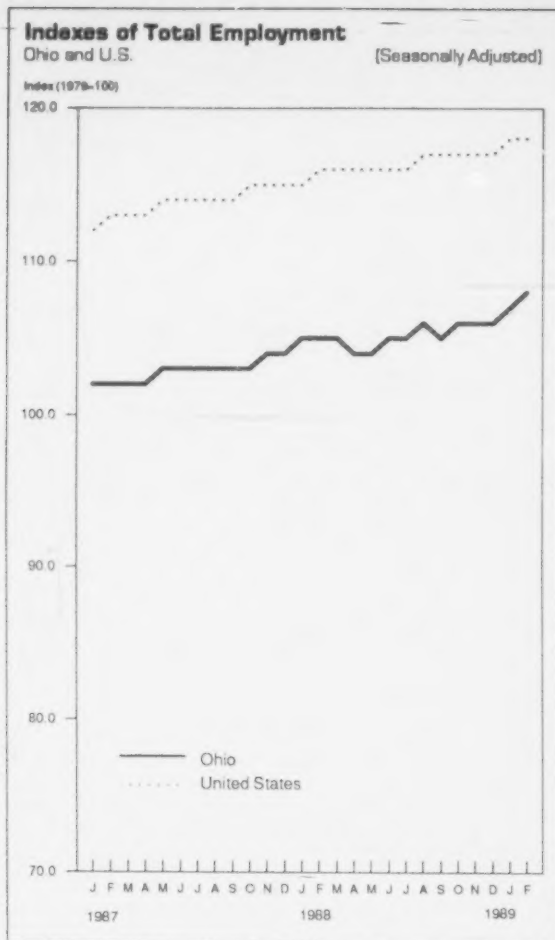
Ohio Nonagricultural Wage and Salary Employment (in thousands)

	Total Nonagricultural Employment			
	Manufacturing Employment			
		Durable	Nondurable	
1987				
February	4,551	1,099	742	357
March	4,549	1,094	737	357
April	4,552	1,096	739	357
May	4,563	1,096	738	358
June	4,568	1,093	736	357
July	4,576	1,091	732	359
August	4,588	1,098	739	359
September	4,596	1,101	743	358
October	4,617	1,105	745	360
November	4,631	1,106	746	360
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,644	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	360
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,773	1,118	754	364

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,452	22	174	206	246	842	240	1036	686
3,455	21	174	206	246	844	241	1037	686
3,456	21	173	206	246	841	242	1040	687
3,467	21	174	207	247	844	243	1043	688
3,475	21	176	207	247	845	244	1048	688
3,484	20	178	209	248	847	244	1053	685
3,490	21	176	209	248	849	245	1055	687
3,495	20	177	209	249	850	246	1059	685
3,512	21	178	209	251	856	247	1062	688
3,525	21	180	210	251	860	247	1067	691
3,540	21	183	210	252	863	248	1073	691
3,533	20	181	210	251	865	247	1068	691
3,542	20	182	210	251	868	247	1073	690
3,557	19	185	211	252	872	248	1078	692
3,555	20	183	211	252	870	249	1079	691
3,561	19	182	211	253	871	249	1083	692
3,569	19	182	211	254	874	249	1087	692
3,575	19	182	212	255	876	250	1089	692
3,581	20	183	212	256	878	251	1093	689
3,589	19	184	212	256	880	251	1095	691
3,599	19	184	212	257	884	252	1097	693
3,611	19	186	213	258	887	252	1102	694
3,622	19	188	213	258	889	252	1108	693
3,642	19	196	213	259	896	253	1112	693
3,655	19	197	214	260	899	254	1116	696
1987								
February					842	240	1036	686
March					844	241	1037	686
April					841	242	1040	687
May					844	243	1043	688
June					845	244	1048	688
July					847	244	1053	685
August					849	245	1055	687
September					850	246	1059	685
October					856	247	1062	688
November					860	247	1067	691
December					863	248	1073	691
1988								
January					865	247	1068	691
February					868	247	1073	690
March					872	248	1078	692
April					870	249	1079	691
May					871	249	1083	692
June					874	249	1087	692
July					876	250	1089	692
August					878	251	1093	689
September					880	251	1095	691
October					884	252	1097	693
November					887	252	1102	694
December					889	252	1108	693
1989								
January					896	253	1112	693
February					899	254	1116	696

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.



Nonseasonally Adjusted Estimates⁸

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
5,298	4,923	376	7.1	6.2
5,316	4,898	418	7.9	5.9
5,281	4,964	317	6.0	5.3
5,269	4,966	303	5.8	5.4
5,353	5,028	325	6.1	5.5
5,366	5,093	274	5.1	5.5
5,376	5,076	301	5.6	5.4
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
	Manufacturing Employment		
	Durable	Non-durable	
1978	4,394.9	1,377.2	974.5
1979	4,484.8	1,382.3	980.5
1980	4,367.4	1,264.3	882.6
1981	4,317.7	1,232.6	860.4
1982	4,124.3	1,099.9	752.4
1983	4,092.5	1,066.0	723.6
1984	4,260.2	1,127.0	773.4
1985	4,372.9	1,124.3	766.7
1986	4,471.4	1,109.8	752.7
1987	4,582.6	1,098.9	740.4
1988	4,683.0	1,103.1	743.6
1988	4,549.1	1,092.3	737.2
February	4,586.2	1,089.6	733.9
March	4,642.7	1,098.5	741.8
April	4,692.3	1,100.5	743.2
May	4,715.4	1,107.6	746.9
June	4,678.8	1,100.8	741.5
July	4,679.1	1,102.1	740.5
August	4,731.7	1,110.5	745.6
September	4,757.7	1,110.3	747.8
October	4,834.7	1,115.7	753.3
November	4,781.8	1,115.1	752.5
December	4,669.0	1,112.2	751.4
1989	4,672.3	1,107.4	748.3
January			
February			

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
3,017.7	29.0	176.6	225.0	226.0
3,102.5	31.6	182.9	232.1	232.8
3,103.0	30.7	167.4	223.1	230.6
3,085.1	30.7	153.7	217.2	232.5
3,024.4	30.3	134.6	206.8	226.0
3,026.5	26.6	130.8	198.5	222.5
3,133.1	27.8	144.8	203.9	236.7
3,248.6	26.1	154.0	202.7	243.7
3,361.6	22.6	160.7	203.4	244.3
3,483.7	20.9	176.4	207.8	248.0
3,579.8	19.5	183.6	211.5	254.3
3,456.8	18.9	150.4	205.2	248.3
3,496.6	18.8	159.8	208.6	249.8
3,544.3	19.1	172.1	209.4	251.6
3,591.8	19.2	182.8	211.5	253.5
3,607.8	19.6	191.2	213.1	255.8
3,578.0	19.8	199.5	213.4	256.1
3,577.0	19.8	202.5	213.9	256.3
3,621.2	19.8	202.0	214.8	256.5
3,647.4	19.8	203.0	215.0	258.4
3,719.0	19.7	197.4	214.7	258.5
3,666.6	19.5	188.0	215.3	259.1
3,556.9	18.9	167.0	208.7	256.9
3,564.9	18.7	162.4	208.7	256.9

Retail Trade	Finance, Insurance, & Real Estate	Services	Government
730.4	191.1	772.1	867.5
742.4	200.6	806.2	874.0
726.8	203.8	830.9	889.9
717.7	205.8	851.6	876.0
703.4	206.4	857.3	859.6
711.0	207.8	873.3	856.1
748.0	211.5	905.2	855.2
787.9	219.3	949.5	865.2
818.8	232.3	1,001.0	878.9
848.3	243.8	1,051.2	887.3
876.5	249.8	1,087.8	896.8
837.6	244.8	1,049.4	702.1
845.7	246.1	1,061.5	708.3
859.6	247.5	1,079.8	705.2
873.2	249.0	1,092.8	709.9
879.7	251.4	1,104.1	692.9
881.1	252.8	1,103.1	652.2
886.2	253.3	1,104.7	640.3
888.2	251.8	1,109.8	678.3
891.8	252.1	1,105.1	702.2
906.0	252.1	1,102.1	788.5
921.4	252.4	1,101.0	710.0
877.0	250.3	1,083.4	694.5
867.5	251.0	1,091.9	707.8

⁸Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,092.3	737.2	355.1
1,089.6	733.9	355.8
1,098.5	741.8	356.7
1,100.5	743.2	357.3
1,107.6	746.9	360.7
1,100.8	741.5	359.4
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.4	748.3	359.2

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
985.5	\$302.5	41.5
979.0	318.5	40.8
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
759.1	391.7	32.6
750.7	377.5	31.8
747.6	380.2	31.8
755.3	389.4	32.5
757.3	391.1	32.6
762.4	397.8	33.0
754.9	379.4	31.9
756.7	382.1	32.1
765.9	399.6	33.2
765.5	400.4	33.1
771.1	410.1	33.7
770.1	411.5	33.7
766.2	404.1	33.1
762.0	401.3	32.8

Production Worker Average Weekly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$306.91	\$316.83	\$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
502.86	525.16	454.27
508.56	530.56	460.74
516.86	538.22	465.89
516.43	540.27	460.90
521.77	547.87	464.62
502.52	521.85	461.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
526.68	548.10	474.18

Production Worker Average Weekly Hours

Manu- facturing	Durable Goods	Nondurable Goods
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
42.4	42.8	41.6
42.7	43.1	42.0
43.0	43.3	42.2
43.0	43.5	41.9
43.3	43.9	42.2
42.3	42.6	41.8
42.4	42.7	41.8
43.3	43.7	42.5
43.3	43.7	42.3
43.7	44.2	42.6
43.8	44.2	42.9
43.2	43.7	42.1
43.1	43.5	42.0

Production Worker Average Hourly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$ 7.29	\$ 7.49	\$ 6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
12.00	12.41	11.03
11.86	12.27	10.92
11.91	12.31	10.97
12.02	12.43	11.04
12.01	12.42	11.00
12.05	12.48	11.01
11.88	12.25	11.04
11.91	12.30	11.01
12.05	12.48	11.05
12.08	12.51	11.06
12.17	12.62	11.09
12.20	12.62	11.18
12.21	12.61	11.22
12.22	12.60	11.29

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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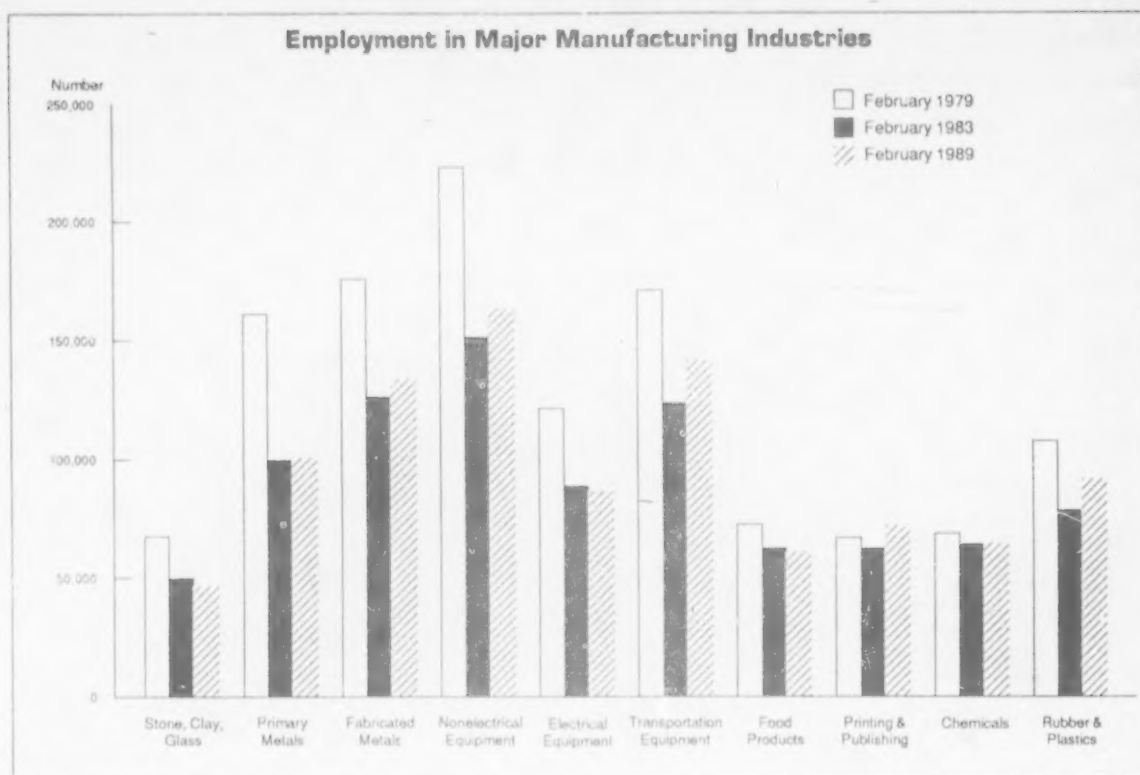
Employment (thousands)

69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	146.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1989				1989			
46.3	98.7	131.7	February	155.9	86.2	144.5	February	60.5	71.4	90.1
46.9	99.3	132.4	March	156.8	86.1	137.8	March	60.9	71.3	90.1
47.6	99.1	133.0	April	157.7	86.0	143.4	April	61.0	71.0	90.7
48.0	100.0	133.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.6	100.6	133.8	February	163.1	86.0	141.3	February	60.9	71.8	91.4

Average Weekly Earnings of Production Workers

\$274.81	\$366.24	\$307.23	1978	\$306.16	\$266.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.90	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1989				1989			
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
465.43	620.83	511.63	February	548.78	474.05	712.65	February	443.56	452.78	455.76

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.



Ohio

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	4672.3	4669.0	4549.1	3.3	123.2
Manufacturing	1107.4	1112.2	1092.3	-4.8	15.1
Durable Goods ^e	748.3	751.4	737.2	-3.1	11.1
Lumber and wood products	22.2	22.7	20.3	-.5	2.0
Furniture and fixtures	15.3	15.0	15.0	.3	.3
Stone, clay, and glass products	46.6	47.0	46.3	-.4	.3
Glass and glassware, pressed or blown ..	8.7	8.6	8.9	.1	-.2
Primary metal industries	100.6	101.3	98.7	-.7	1.9
Blast furnace and basic steel products ...	45.5	45.6	45.6	-.1	-.2
Iron and steel foundries	20.2	20.4	19.2	-.2	1.0
Nonferrous rolling and drawing	17.5	17.9	17.1	-.4	.4
Fabricated metal products	133.8	134.9	131.7	-1.1	2.1
Cutlery, hand tools, and hardware	10.1	10.2	9.9	-.2	.1
Fabricated structural metal products	28.0	28.4	28.3	-.5	-.3
Metal forgings and stampings	41.1	41.9	40.8	-.8	.3
Machinery, except electrical	163.1	163.0	155.9	.1	7.2
Construction and related machinery	13.6	13.6	13.4	.1	.2
Metalworking machinery	42.5	42.4	40.7	.1	1.7
Special industry machinery	18.3	18.4	16.4	.0	2.0
General industrial machinery	28.9	28.9	28.0	-.1	.9
Office and computing machines	12.5	12.5	13.1	.0	-.6
Refrigeration and service machinery	16.2	16.3	15.8	.0	.4
Electric and electronic equipment	86.0	86.5	86.2	-.6	-.2
Electrical industrial apparatus	17.7	17.6	16.6	.1	1.1
Household appliances	15.7	16.1	15.7	-.4	-.1
Electric lighting and wiring equipment	17.3	17.4	17.2	-.1	.1
Communication equipment	9.0	9.1	9.4	-.1	-.4
Transportation equipment	141.3	141.6	144.5	-.3	-3.2
Motor vehicles and equipment	96.0	96.4	95.2	-.4	.8
Aircraft and parts	36.6	36.6	40.4	.0	-3.9
Instruments and related products	24.6	24.5	24.3	.1	.3
Measuring and controlling devices	13.4	13.4	13.5	-.1	-.1
Nondurable Goods^f	359.2	360.8	355.1	-1.6	4.1
Food and kindred products	60.9	62.5	60.5	-1.6	.4
Meat products	8.5	8.7	8.7	-.3	-.2
Dairy products	9.3	9.5	9.3	-.2	.0
Preserved fruits and vegetables	11.5	12.1	10.8	-.6	.7
Bakery products	9.2	9.4	9.2	-.2	-.1
Beverages	8.7	8.9	9.0	-.2	-.2
Apparel and other textile products	15.7	15.6	15.1	.1	.6
Paper and allied products	37.3	37.5	37.0	-.2	.3
Misc. converted paper products	12.1	12.2	11.8	-.1	.3
Paperboard containers and boxes	13.2	13.3	13.0	-.1	.2
Printing and publishing	71.8	71.9	71.4	-.1	.5
Newspapers	18.9	19.0	18.8	-.1	.1
Commercial printing	28.2	28.1	27.8	.1	.4
Chemicals and allied products	64.7	64.6	64.0	.1	.7
Industrial inorganic chemicals	9.0	9.0	9.1	.0	-.2
Rubber and misc. plastics products	91.4	91.3	90.1	.1	1.3
Tires and inner tubes	14.4	14.4	14.5	.0	-.1
Miscellaneous plastics products	56.7	56.5	55.5	.2	1.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Nonmanufacturing	3564.9	3556.9	3456.8	8.0	108.1
Mining	18.7	18.9	18.9	-.2	-.2
Bituminous coal and lignite mining	7.7	7.7	8.1	.0	-.4
Oil and gas extraction	6.8	6.9	6.9	-.1	-.1
Construction	162.4	167.0	150.4	-4.6	12.1
General building contractors	42.7	44.2	40.3	-1.5	2.4
Heavy construction contractors	16.1	16.8	15.2	-.6	.9
Highway and street construction	4.4	4.6	4.3	-.2	.1
Special trade contractors	103.6	106.1	94.9	-2.4	8.8
Transportation and Public Utilities	208.7	208.7	205.2	.0	3.5
Railroad transportation	12.7	12.8	12.7	-.1	-.1
Transportation, except railroads	108.7	108.5	104.4	.2	4.2
Trucking and warehousing	74.2	73.8	72.4	.4	1.8
Communication, electric, gas services	87.4	87.4	89.1	.0	-.7
Communication	45.7	45.7	46.8	.0	-1.0
Electric, gas, and sanitary services	41.6	41.7	41.3	.0	.3
Wholesale Trade	256.9	256.9	248.3	.0	8.6
Wholesale trade-durable goods	162.8	162.6	157.7	.2	5.1
Motor vehicles & automotive equipment ..	22.8	22.8	22.1	.0	.7
Electrical goods	18.3	18.3	18.4	.0	-.1
Machinery, equipment, and supplies	69.8	69.6	67.7	.2	2.1
Wholesale trade-nondurable goods	94.1	94.3	90.6	-.2	3.5
Groceries and related products	29.9	30.1	29.1	-.2	.8
Retail Trade	867.5	877.0	837.6	-9.5	29.9
General merchandise stores	118.7	124.6	116.7	-5.9	2.0
Department stores	101.4	106.9	100.7	-5.6	.7
Food stores	142.0	142.5	135.0	-.5	6.9
Automotive dealers & service stations	95.3	95.5	92.6	-.2	2.7
Apparel and accessory stores	44.7	46.2	42.4	-1.5	2.3
Eating and drinking places	288.6	288.0	283.4	.6	5.2
Finance, Insurance, and Real Estate	251.0	250.3	244.8	.7	6.2
Banking	64.2	64.1	62.9	.1	1.3
Credit agencies other than banks	38.3	38.1	37.8	.1	.4
Insurance carriers	70.0	69.9	69.3	.1	.7
Life insurance	25.9	25.9	25.7	.0	.3
Fire, marine, and casualty insurance	30.9	30.9	30.7	.0	.3
Services	1091.9	1083.4	1049.4	8.4	42.4
Hotels and other lodging places	34.9	34.7	33.8	.2	1.2
Personal services	59.2	58.9	57.3	.3	1.9
Laundry, cleaning, & garment services ..	18.6	18.7	18.1	-.1	.5
Business services	227.3	226.1	211.6	1.1	15.7
Services to buildings	31.9	31.7	30.3	.2	1.6
Computer and data processing services ..	22.7	22.7	21.0	.0	1.7
Amusement and recreation services	28.0	27.6	28.5	.3	-.5
Health services	375.1	374.6	365.1	.5	10.1
Nursing and personal care facilities ..	82.3	82.2	80.0	.1	2.3
Hospitals	184.3	184.0	181.1	.3	3.2
Educational services	68.0	64.0	66.1	4.0	1.8
Colleges and universities	38.3	34.9	37.1	3.5	1.3
Government	707.8	694.5	702.1	13.3	5.7
Federal government	94.8	95.0	94.3	-.1	.5
State government	163.1	157.3	159.4	5.8	3.7
State government education	90.1	84.0	86.5	6.1	-3.6
State government, except education	73.0	73.3	72.9	-.3	.1
Local government	449.8	442.3	448.4	7.6	1.4
Local government education	266.1	258.7	267.2	7.3	-1.2
Local government, except education	183.8	183.5	181.2	.2	2.6

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$526.68	\$527.47	\$502.86	43.1	43.2	42.4	\$12.22	\$12.21	\$11.86
Durable Goods ^d	548.10	551.06	525.16	43.5	43.7	42.8	12.60	12.61	12.27
Lumber and wood products	316.36	318.37	288.25	40.3	40.3	38.9	7.85	7.90	7.41
Furniture and fixtures	366.79	355.39	356.49	40.8	39.4	40.1	8.99	9.02	8.89
Stone, clay, and glass products	465.43	462.34	453.90	42.7	42.3	42.5	10.90	10.93	10.68
Glass and glassware, pressed or blown	499.36	473.28	478.40	42.9	40.8	41.1	11.64	11.60	11.64
Primary metal industries	620.83	629.95	610.54	44.6	44.9	44.5	13.92	14.03	13.72
Blast furnace and basic steel products	640.72	634.13	652.74	44.9	44.5	46.0	14.27	14.25	14.19
Iron and steel foundries	656.30	698.89	615.48	43.2	47.0	43.9	14.52	14.87	14.02
Nonferrous rolling and drawing	637.22	658.80	590.81	42.2	43.2	41.2	15.10	15.25	14.34
Fabricated metal products	511.63	520.22	508.89	42.6	43.1	42.8	12.01	12.07	11.89
Cutlery, hand tools, and hardware	492.28	510.41	477.00	39.7	40.8	40.7	12.40	12.51	11.72
Fabricated structural metal products	455.52	466.20	447.95	41.6	42.0	41.4	10.95	11.10	10.82
Metal forgings and stampings	633.28	633.04	631.18	44.1	43.9	44.2	14.36	14.42	14.28
Machinery, except electrical	548.78	551.15	511.81	44.4	44.7	43.3	12.36	12.33	11.82
Construction and related machinery	446.61	431.26	418.61	41.7	40.8	41.0	10.71	10.57	10.21
Metalworking machinery	524.70	528.46	501.16	45.0	45.4	44.0	11.66	11.64	11.39
Special industry machinery	509.89	510.78	496.07	44.3	44.3	43.9	11.51	11.53	11.30
General industrial machinery	572.39	567.19	534.76	44.2	43.9	43.3	12.95	12.92	12.35
Office and computing machines	443.00	449.36	417.31	40.2	41.0	41.4	11.02	10.96	10.08
Refrigeration and service machinery	660.37	666.76	565.55	45.2	45.7	41.8	14.61	14.59	13.53
Electric and electronic equipment	474.05	481.38	477.57	42.1	42.6	42.3	11.26	11.30	11.29
Electrical industrial apparatus	496.84	501.52	504.00	44.4	44.5	45.0	11.19	11.27	11.20
Household appliances	494.46	505.78	497.28	41.0	41.8	41.2	12.06	12.10	12.07
Electric lighting and wiring equipment	485.10	497.35	482.16	42.0	42.4	42.0	11.55	11.73	11.48
Communication equipment	485.58	477.96	482.98	40.6	40.3	41.0	11.96	11.86	11.78
Transportation equipment	712.65	702.15	640.41	45.8	45.3	43.3	15.56	15.50	14.79
Motor vehicles and equipment	739.44	729.83	652.08	46.1	45.7	42.9	16.04	15.97	15.20
Aircraft and parts	649.22	644.10	633.75	45.4	45.2	45.3	14.30	14.25	13.99
Instruments and related products	365.49	372.13	361.17	39.3	40.1	39.3	9.30	9.28	9.19
Measuring and controlling devices	359.25	365.74	355.26	38.3	39.2	38.2	9.38	9.33	9.30
Nondurable Goods ^f	474.18	472.36	454.27	42.0	42.1	41.6	11.29	11.22	10.92
Food and kindred products	443.56	441.08	438.19	41.3	41.3	41.3	10.74	10.68	10.61
Meat products	372.74	354.56	357.37	41.6	40.2	39.1	8.96	8.82	9.14
Dairy products	467.18	452.20	477.17	42.9	42.5	43.3	10.89	10.64	11.02
Preserved fruits and vegetables	485.72	487.18	452.47	41.8	42.4	40.8	11.62	11.49	11.09
Bakery products	458.63	465.30	469.17	38.9	39.2	40.1	11.79	11.87	11.70
Beverages	416.97	413.76	421.43	39.3	39.9	40.6	10.61	10.37	10.38
Apparel and other textile products	299.77	309.62	289.48	39.6	39.9	38.7	7.57	7.76	7.48
Paper and allied products	491.02	504.83	485.30	43.3	44.4	43.8	11.34	11.37	11.08
Misc. converted paper products	431.15	446.86	419.19	42.9	44.2	42.3	10.05	10.11	9.91
Paperboard containers and boxes	423.11	448.21	433.30	41.4	43.6	43.2	10.22	10.28	10.03
Printing and publishing	452.78	445.02	433.83	39.1	38.9	38.7	11.58	11.44	11.21
Newspapers	369.96	366.09	352.85	33.3	33.1	33.1	11.11	11.06	10.66
Commercial printing	450.36	442.90	442.09	40.5	40.3	40.3	11.12	10.99	10.97
Chemicals and allied products	577.86	572.61	537.58	42.9	42.7	41.9	13.47	13.41	12.83
Industrial inorganic chemicals	595.88	599.50	585.42	43.4	43.6	43.3	13.73	13.75	13.52
Rubber and misc. plastics products	455.76	460.42	441.44	43.2	43.6	42.9	10.55	10.56	10.29
Tires and inner tubes	666.44	659.34	682.91	44.4	44.4	47.0	15.01	14.85	14.53
Miscellaneous plastics products	448.49	450.55	421.18	43.5	43.7	42.5	10.31	10.31	9.91

See footnotes on page 13.

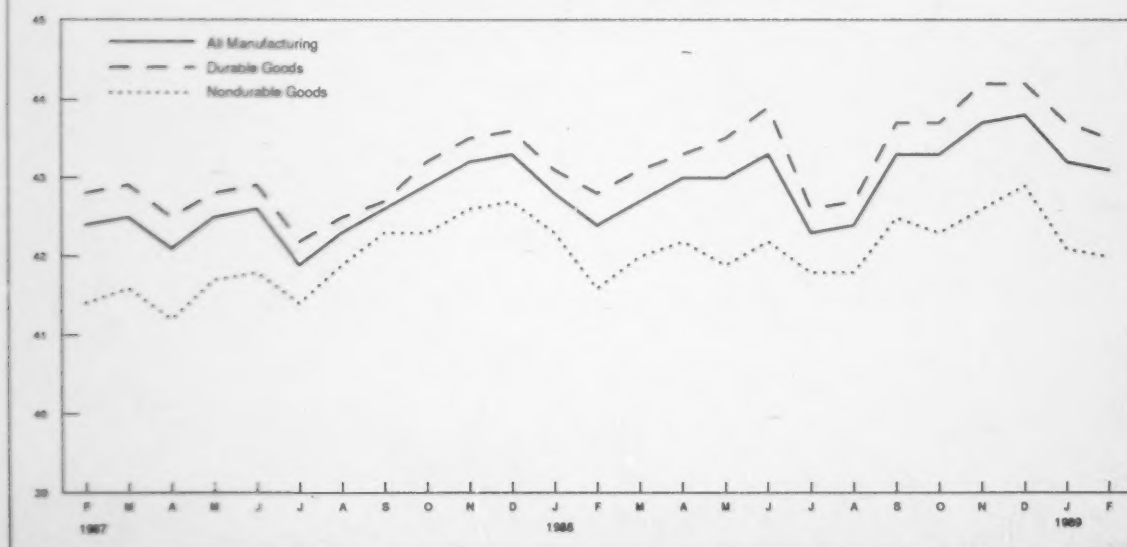
Ohio (continued)

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

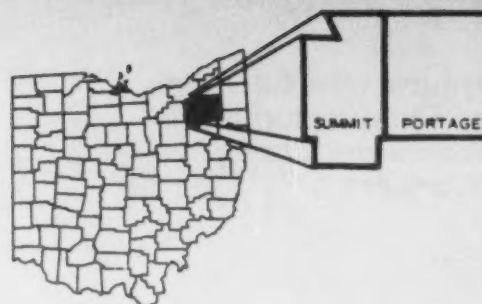
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Mining	\$561.13	\$564.20	\$540.99	42.9	43.4	42.8	\$13.08	\$13.00	\$12.64
Bituminous coal and lignite mining	696.27	695.84	659.66	42.9	42.9	43.2	16.23	16.22	15.27
Construction	558.74	576.06	556.48	37.2	38.2	37.0	15.02	15.08	15.04
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	562.99	569.21	550.90	40.3	40.6	40.3	13.97	14.02	13.67
Communication	539.75	540.71	534.36	39.6	39.7	39.7	13.63	13.62	13.46
Electric, gas, and sanitary services	589.79	601.54	571.70	41.1	41.6	41.1	14.35	14.46	13.91
Wholesale Trade	399.60	398.82	384.33	39.1	39.1	38.9	10.22	10.20	9.88
Wholesale trade-durable goods	389.61	390.82	379.85	39.0	39.2	39.2	9.99	9.97	9.69
Wholesale trade-nondurable goods	417.37	413.01	392.32	39.3	39.0	38.5	10.62	10.59	10.19
Retail Trade ^h	170.40	169.52	160.68	28.4	28.3	27.8	6.00	5.99	5.78
General merchandise stores	182.36	180.12	167.94	28.9	28.5	27.0	6.31	6.32	6.22
Department stores	187.46	185.12	171.45	29.2	28.7	27.0	6.42	6.45	6.35
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	271.55	271.66	262.79	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	276.06	275.32	262.23	.....	.....	.....	.....	.....	.....
Insurance carriers	389.46	385.96	364.27	.....	.....	.....	.....	.....	.....
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	346.77	346.50	336.93	32.9	33.0	33.0	10.54	10.50	10.21

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

**Average Weekly Hours of Production Workers
in Ohio Manufacturing Industries**

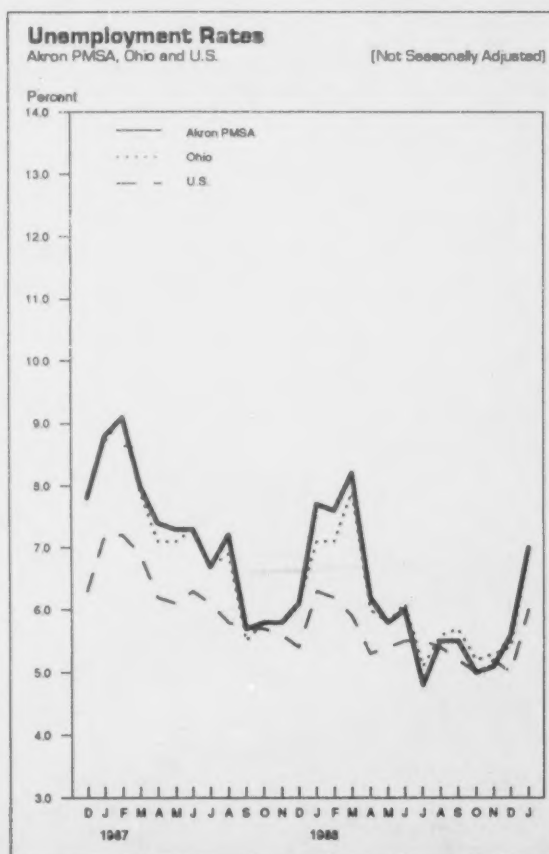
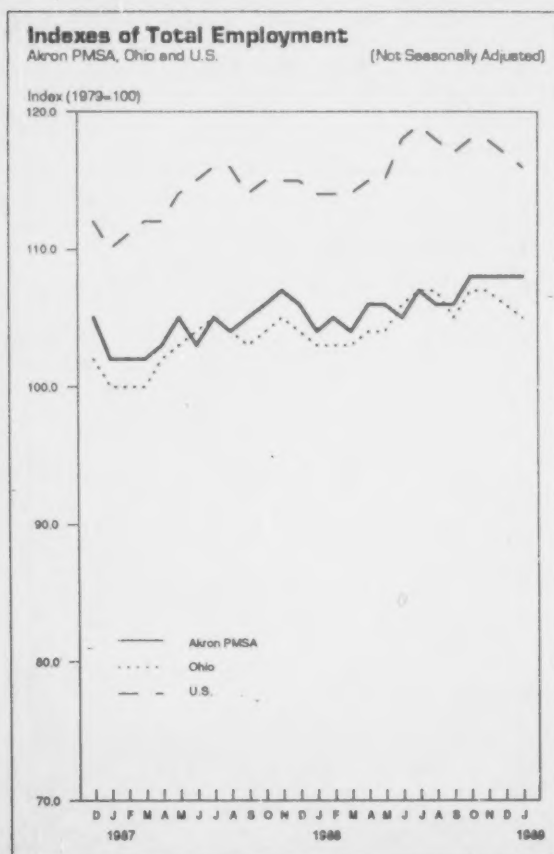


AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Akron metropolitan area rose 6,400 from January to 274,700 in February 1989. The gain was concentrated in the nonmanufacturing sector due to a seasonal increase in nonteaching personnel in state colleges and the settlement of a labor-management dispute in local schools. Manufacturing employment was unchanged at 66,700. Factory production worker average hourly earnings were \$11.44, down \$.03 from January. Their average workweek remained at 42.7 hours.

Nonagricultural wage and salary employment advanced 10,000 between February 1988 and February 1989. Significant growth was recorded in services, especially business services, and in retail trade. The manufacturing division gained 1,700 workers over the year with improvements in nonelectrical machinery and miscellaneous plastics products. Employment declined in tires and inner tubes and chemicals and allied products.



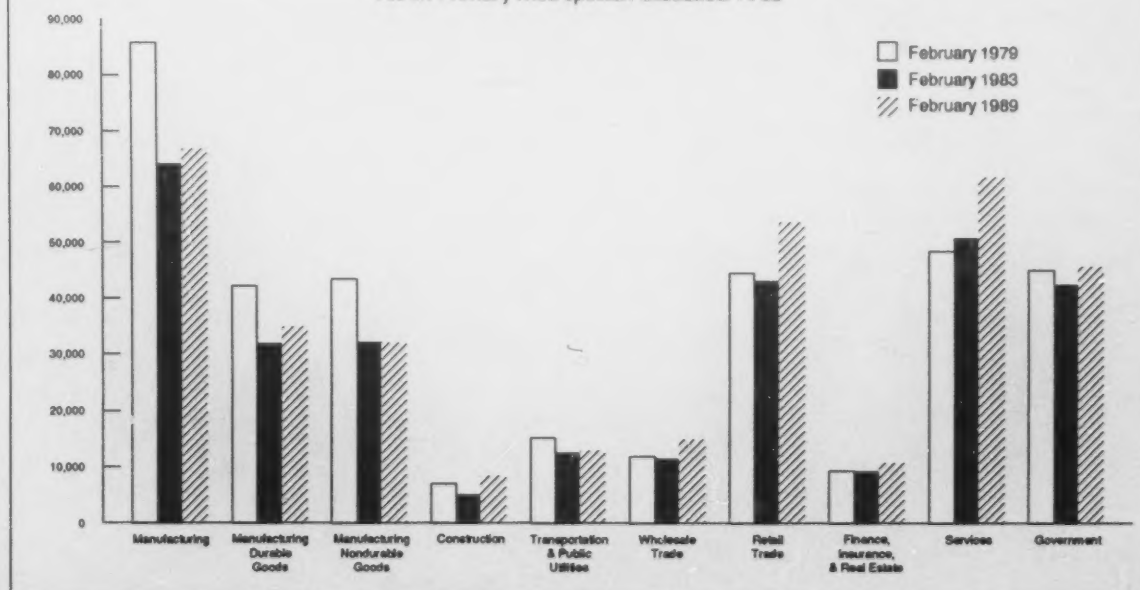
Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force			
Total	Employed	Unemployed	
		Total	Rate
298.9	282.2	16.7	5.6
303.8	285.4	18.4	6.1
304.5	278.3	26.2	8.6
304.1	274.9	29.1	9.6
303.9	268.0	35.9	11.8
302.5	265.2	37.3	12.3
316.5	285.8	30.6	9.7
317.8	289.9	28.0	8.8
320.4	294.8	25.6	8.0
319.9	297.2	22.8	7.1
325.3	305.6	19.7	6.0
320.2	295.6	24.7	7.7
326.0	301.4	24.6	7.6
327.8	301.2	26.6	8.1
324.0	304.0	19.9	6.2
322.4	303.8	18.6	5.8
322.0	302.9	19.1	5.9
324.5	309.1	15.5	4.8
324.7	306.7	17.9	5.5
324.8	306.9	17.9	5.5
328.7	312.2	16.5	5.0
329.3	312.4	16.9	5.1
329.3	311.3	17.9	5.4
331.0	307.7	23.2	7.0
INA	INA	INA	INA

INA - information not available

Nonagricultural Wage & Salary Employment					
Manufacturing Employment					
Manufacturing Production Workers					
Hours & Earnings					
			Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
266.6	85.9	49.4	\$304.14	42.3	\$ 7.19
270.9	85.6	53.8	321.57	41.6	7.73
262.4	79.1	47.5	361.88	41.5	8.72
259.5	75.7	43.7	397.10	41.8	9.50
248.8	68.3	36.9	403.03	41.0	9.83
244.7	65.2	33.4	452.12	43.1	10.49
252.2	67.9	38.0	470.65	43.7	10.77
257.6	68.1	37.3	475.20	43.2	11.00
260.7	67.2	36.4	484.70	43.2	11.22
265.1	66.4	36.5	487.03	43.1	11.30
271.9	65.8	37.5	496.37	43.2	11.49
260.1	65.0	36.4	489.89	43.2	11.34
264.7	65.0	36.6	488.05	43.0	11.35
268.3	65.7	37.3	495.07	43.2	11.46
270.8	65.9	37.3	512.60	43.7	11.73
273.8	65.8	37.6	504.88	43.3	11.66
270.4	68.4	38.0	518.62	44.1	11.76
270.6	66.0	37.7	493.93	43.1	11.46
269.0	64.8	36.5	480.53	42.6	11.28
276.8	65.4	37.3	489.89	43.2	11.34
277.2	65.4	37.5	488.78	42.8	11.42
281.7	67.0	39.2	496.78	42.9	11.58
279.7	66.6	39.0	493.06	43.1	11.44
268.3	66.8	39.1	489.77	42.7	11.47
274.7	66.7	39.1	488.49	42.7	11.44

Employment in Manufacturing and Nonmanufacturing Industries
Akron Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	274.7	268.3	264.7	6.4	10.0
Manufacturing	66.7	66.8	65.0	.0	1.7
Durable Goods ^e	34.8	34.7	33.5	.0	1.3
Fabricated metal products	10.9	11.0	10.8	-.1	.1
Machinery, except electrical	10.0	9.9	9.1	.1	.9
Metalworking machinery	3.4	3.5	3.2	-.1	.2
Nondurable Goods ^f	32.0	32.0	31.5	-.1	.5
Food and kindred products	2.8	2.9	2.8	-.1	.0
Chemicals and allied products	3.6	3.6	3.7	.0	-.2
Rubber and misc. plastics products	19.3	19.3	19.0	.0	.3
Tires and inner tubes	10.2	10.2	10.4	.0	-.3
Nonmanufacturing^g	208.0	201.6	199.7	6.4	8.3
Construction	8.3	8.6	7.8	-.3	.5
Transportation and Public Utilities	12.9	12.9	12.6	.0	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	.0
Wholesale Trade	14.9	14.8	14.1	.0	.8
Retail Trade	53.5	53.9	51.3	-.4	2.2
General merchandise stores	6.4	6.8	6.3	-.4	.1
Finance, Insurance, and Real Estate	10.6	10.5	10.5	.0	.0
Banking	3.1	3.1	3.2	.0	-.1
Services	61.7	61.3	58.1	.4	3.6
Business services	14.0	13.9	11.9	.1	2.1
Amusement and recreation services	2.6	2.6	2.4	.1	.3
Health services	20.4	20.2	19.7	.1	.6
Government	45.6	38.9	44.8	6.7	.8
State government	16.9	12.6	16.3	4.3	.5
State government education ^h	14.0	9.6	13.4	4.3	.6
State government, except education	2.9	2.9	3.0	.0	-.1
Local government	26.1	23.7	26.0	2.4	.1
Local government education	15.2	12.8	14.7	2.4	.5
Local government, except education	10.9	10.9	11.3	.0	-.4

Akron PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$488.49	\$489.77	\$488.05	42.7	42.7	43.0	\$11.44	\$11.47	\$11.35
Durable Goods ^e	510.94	511.06	499.66	43.3	43.2	43.0	11.80	11.83	11.62
Fabricated metal products	625.91	629.34	604.22	42.9	42.9	43.5	14.59	14.67	13.89
Machinery, except electrical	480.94	470.48	454.35	46.2	45.9	44.5	10.41	10.25	10.21
Metalworking machinery	524.08	496.80	469.35	47.6	46.0	45.0	11.01	10.80	10.43
Nondurable Goods ^f	459.48	461.42	470.18	42.0	42.1	42.9	10.94	10.96	10.96
Food and kindred products	436.54	433.05	473.72	41.3	41.8	43.5	10.57	10.36	10.89
Chemicals and allied products	498.00	503.37	510.42	41.5	42.3	43.7	12.00	11.90	11.68
Rubber and misc. plastics products	470.85	467.99	494.60	43.0	42.7	44.2	10.95	10.96	11.19
Tires and inner tubes	756.70	756.90	784.18	47.0	47.1	49.6	16.10	16.07	15.81
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	573.06	573.46	559.14	40.7	40.7	40.4	14.08	14.09	13.84
Wholesale Trade	342.24	346.33	335.10	36.8	37.2	37.4	9.30	9.31	8.96
Retail Trade ^h	208.66	206.40	190.63	32.4	32.1	30.5	6.44	6.43	6.25

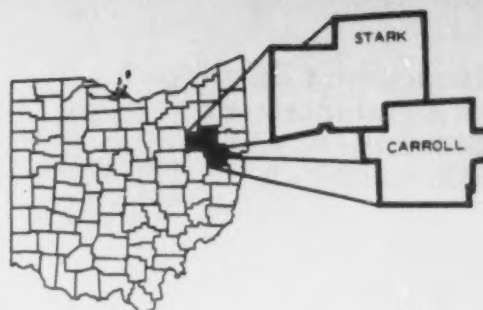
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	3,941	2,336	2,395
Active File of Job Seekers	18,169	15,390	17,782
Referrals to Jobs	2,685	938	819
Placements	172	198	192
Job Openings Received	399	1,379	346
Job Openings Unfilled	1,571	1,661	538
Unemployment Insurance Program			
Initial Claims	2,836	4,399	3,410
Continued Claims	30,097	32,475	39,429
First Payments	2,215	2,598	2,347
Last Payments	256	317	359
Weeks Compensated	26,706	24,591	31,549
Benefits Paid	\$4,126,090	\$3,754,003	\$4,939,086
Average Weekly Payment	\$160.36	\$158.87	\$159.40

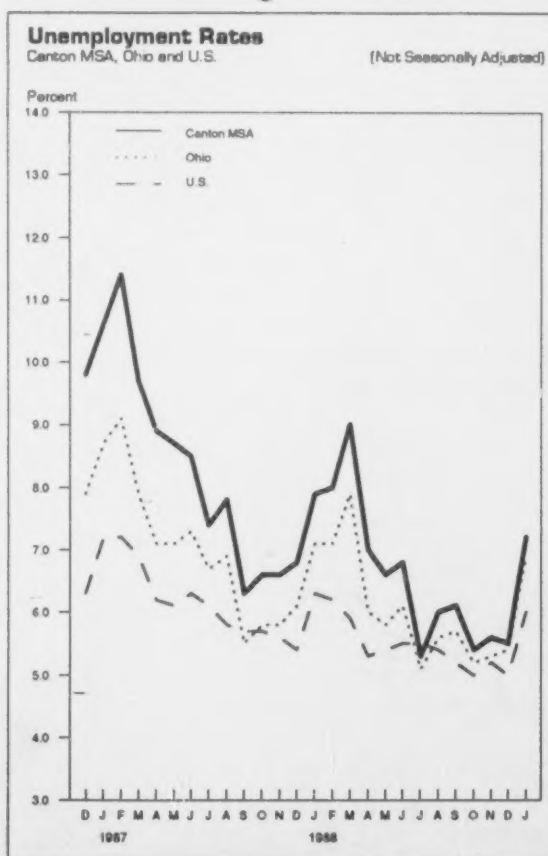
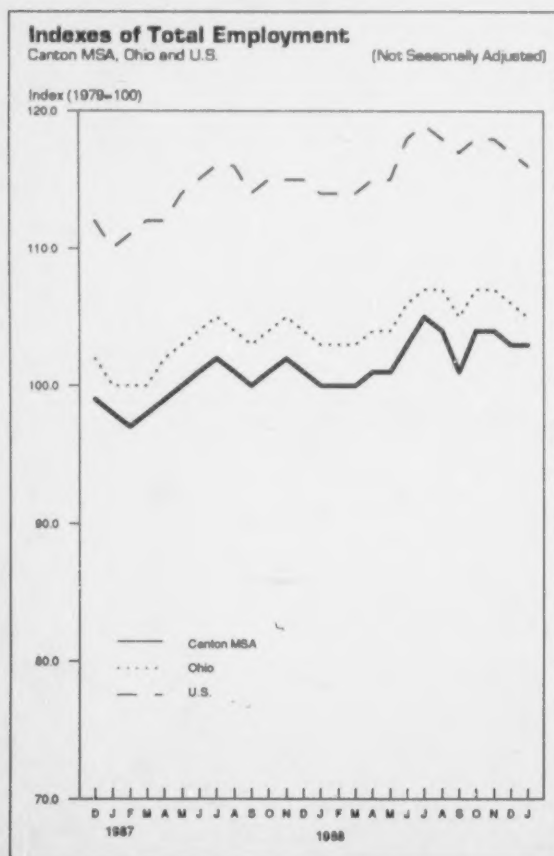
CANTON METROPOLITAN STATISTICAL AREA



Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, nonfarm payroll employment declined 700 from January to 159,300 in February 1989. Manufacturing employment at 45,300 was down 600, with losses in fabricated metal products and food and kindred products. Nonmanufacturing employment was unchanged over the month as scattered improvements offset declines in retail trade and construction. Factory production workers averaged \$11.64 per hour, up \$.03 from January. Their average workweek was .2 hours longer at 43.3 hours.

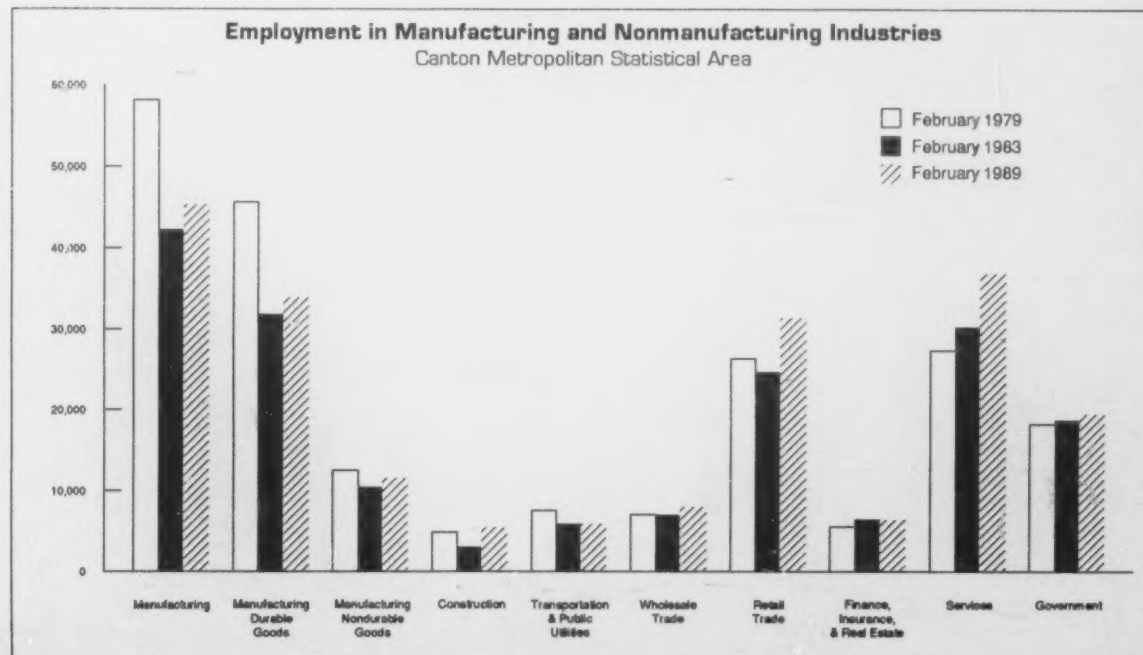
Nonagricultural wage and salary employment advanced 4,500 between February 1988 and February 1989. Noteworthy expansion occurred in services, retail trade, and construction. Manufacturing employment increased 1,000, with modest growth in primary metal industries and rubber and miscellaneous plastics products. Employment in fabricated metal products and food and kindred products declined.



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment					
		Total	Rate		Manufacturing Production Workers					
					Hours & Earnings					
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	\$304.67	40.3	\$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
190.0	174.9	15.1	7.9	January	155.0	44.3	31.4	493.78	43.2	11.43
190.3	175.2	15.1	7.9	February	154.7	44.3	31.6	493.06	43.1	11.44
191.0	173.9	17.2	9.0	March	155.7	44.4	32.0	488.48	43.0	11.36
189.5	176.3	13.2	7.0	April	157.9	44.4	31.5	493.34	43.2	11.42
188.7	176.2	12.5	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.2	179.4	13.8	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
INA	INA	INA	INA	February	159.3	45.3	32.7	504.01	43.3	11.64

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	159.3	160.0	154.7	-.7	4.5
Manufacturing	45.3	46.0	44.3	-.6	1.0
Durable Goods ^e	33.8	34.1	32.9	-.3	.9
Primary metal industries	11.4	11.5	10.9	-.1	.6
Fabricated metal products	6.6	6.8	6.7	-.2	-.1
Metal forgings and stampings	2.2	2.4	2.1	-.2	.0
Nondurable Goods ^f	11.5	11.9	11.4	-.4	.2
Food and kindred products	3.1	3.3	3.2	-.2	-.1
Rubber and misc. plastics products	3.1	3.1	2.9	.0	.2
Nonmanufacturing ^g	114.0	114.0	110.4	.0	3.5
Construction	5.4	5.5	4.7	-.2	.7
Transportation and Public Utilities	5.8	5.8	5.5	.0	.3
Communication, electric, gas services	2.7	2.7	2.5	.0	.2
Wholesale Trade	8.0	8.0	7.8	.0	.2
Wholesale trade-durable goods	4.4	4.4	4.3	.0	.1
Retail Trade	31.3	31.8	30.5	-.5	.8
General merchandise stores	3.9	4.1	3.8	-.2	.1
Food stores	5.6	5.6	5.2	.0	.4
Finance, Insurance, and Real Estate	6.3	6.2	6.3	.0	.0
Banking	1.8	1.8	1.8	.0	.0
Services	36.9	36.6	35.7	.3	1.2
Health services	15.3	15.2	15.0	.1	.2
Government	19.4	19.2	19.1	.2	.3
State government (includes education)	1.7	1.7	1.7	.0	-.1
Local government	16.3	16.1	15.9	.2	.4
Local government education	9.9	9.8	9.8	.1	.0
Local government, except education	6.4	6.3	6.1	.1	.3

Canton MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$504.01	\$500.39	\$493.06	43.3	43.1	43.1	\$11.64	\$11.61	\$11.44
Durable Goods ^e	541.44	537.36	516.84	44.6	44.3	43.8	12.14	12.13	11.80
Primary metal industries	621.18	622.25	598.56	47.6	47.5	46.4	13.05	13.10	12.90
Fabricated metal products	502.36	495.10	432.37	42.9	42.1	41.1	11.71	11.76	10.52
Metal forgings and stampings	597.17	566.30	600.09	42.9	40.8	41.5	13.92	13.88	14.46
Nondurable Goods ^f	384.94	387.50	413.51	39.2	39.5	40.7	9.82	9.81	10.16
Food and kindred products	407.01	388.11	408.10	38.8	38.2	38.5	10.49	10.16	10.60
Rubber and misc. plastics products	403.37	402.82	435.60	41.8	41.7	41.7	9.65	9.66	10.47
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	554.61	576.69	540.55	39.7	40.9	40.1	13.97	14.10	13.48
Wholesale Trade	381.95	388.10	375.35	37.3	37.9	37.8	10.24	10.24	9.93
Retail Trade ^h	162.44	160.74	154.84	28.7	28.3	28.0	5.66	5.68	5.53

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing.

^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.

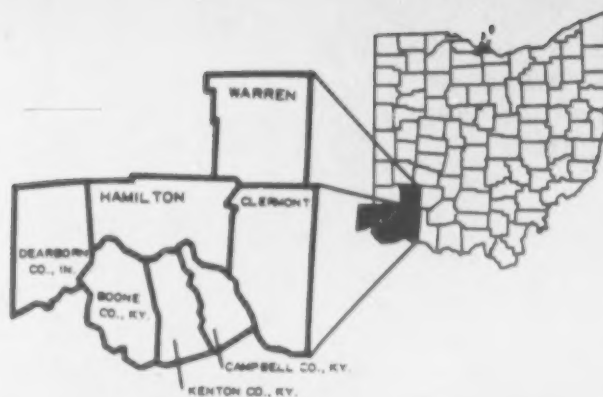
^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

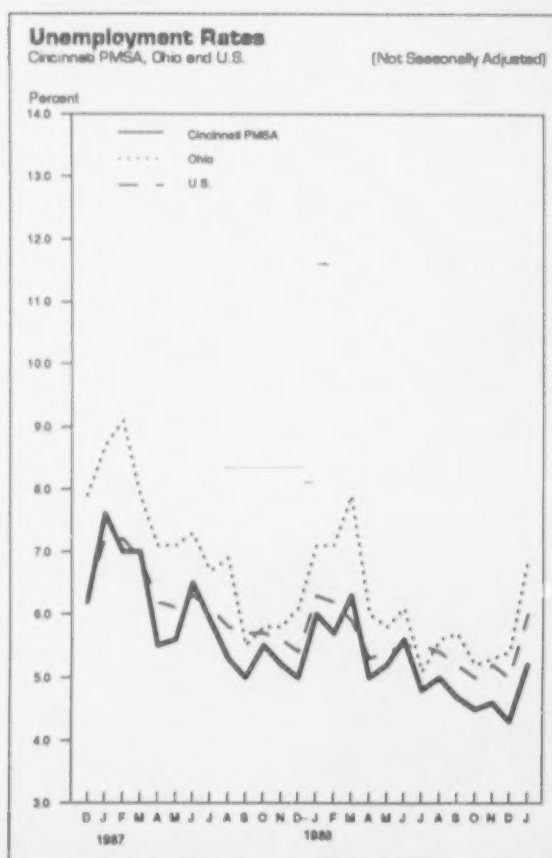
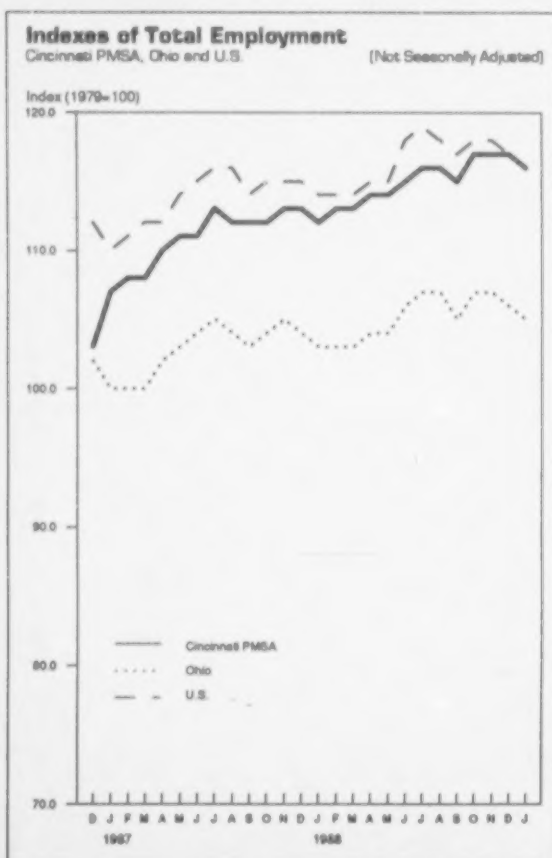
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	1,181	1,755	1,407
Active File of Job Seekers	12,170	11,853	12,090
Referrals to Jobs	458	539	848
Placements	79	124	161
Job Openings Received	339	966	346
Job Openings Unfilled	1,288	2,038	348
Unemployment Insurance Program			
Initial Claims	1,863	3,093	2,235
Continued Claims	16,268	18,308	23,226
First Payments	1,327	1,587	1,417
Last Payments	168	173	213
Weeks Compensated	14,596	13,038	17,307
Benefits Paid	\$2,169,068	\$1,889,737	\$2,514,358
Average Weekly Payment	\$151.98	\$148.56	\$148.67

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area increased 300 from January to 703,800 in February 1989. Nonmanufacturing employment rose 700 as seasonal gains in services and nonteaching personnel in state and local schools and colleges more than offset reductions in retail trade and construction. Scattered losses in both durable- and nondurable-goods industries lowered manufacturing employment 400 to 145,000. Factory production workers averaged \$11.49 per hour, up \$.09 from January 1989. Their average workweek of 43.3 hours was .5 hours longer.

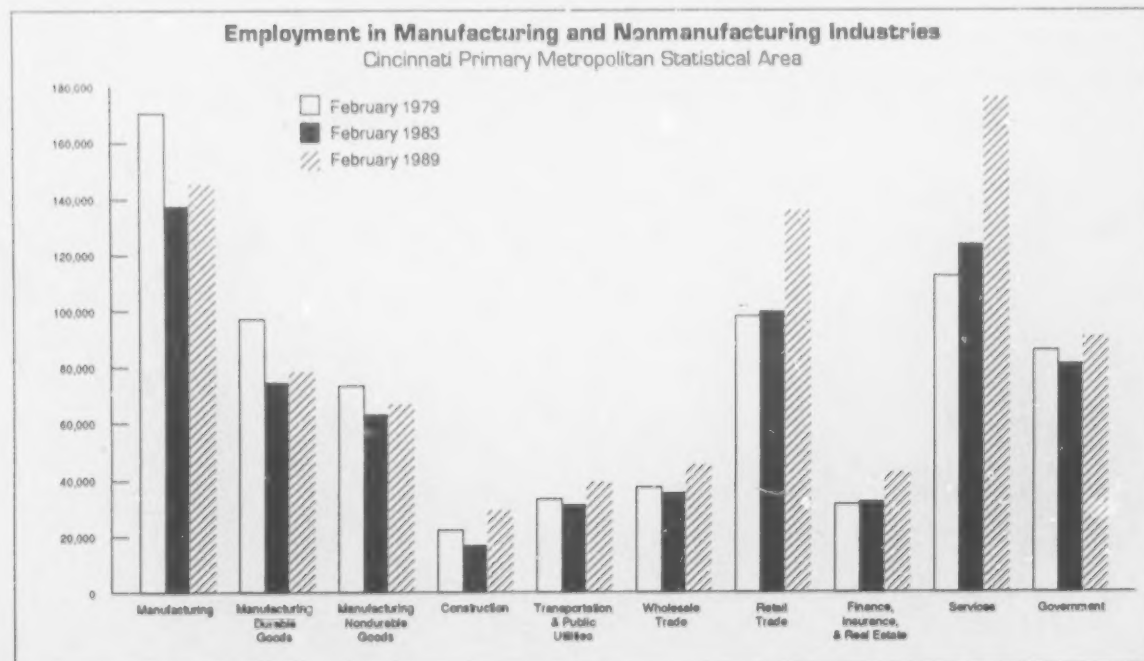
Nonfarm wage and salary employment advanced 27,200 between February 1988 and February 1989. The growth was concentrated in nonmanufacturing industries. Marked expansion was recorded in services and retail trade. Noteworthy improvements occurred in construction, government, especially local schools, and in transportation and public utilities. Manufacturing employment increased 200 over the year. Gains in nonelectrical machinery, food and kindred products, and electric and electronic equipment more than offset a sizable reduction in transportation equipment.



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Hours & Earnings		
		Total	Rate		Manufacturing Production Workers			Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	300.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
744.7	704.4	40.2	5.4	January	677.2	145.7	93.3	481.00	43.1	11.16
751.1	708.5	42.6	5.7	February	676.6	144.8	92.5	466.47	42.1	11.08
754.1	706.6	47.6	6.3	March	679.5	138.3	86.3	453.60	42.0	10.80
753.7	715.3	38.4	5.1	April	694.4	144.3	92.0	462.42	42.0	11.01
757.6	717.2	40.4	5.3	May	700.1	143.7	91.4	465.63	42.1	11.06
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
770.7	730.3	40.4	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
INA	INA	INA	INA	February	703.8	145.0	91.4	497.52	43.3	11.49

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	703.8	703.5	676.6	.3	27.2
Manufacturing	145.0	145.4	144.8	-.4	.2
Durable Goods ^e	78.5	78.6	78.3	-.1	.2
Fabricated metal products	10.8	10.9	10.8	-.1	.0
Fabricated structural metal products	3.7	3.9	4.0	-.2	-.3
Machinery, except electrical	21.2	21.1	20.5	.1	.6
Metalworking machinery	8.6	8.6	8.5	.0	.1
General industrial machinery	3.1	3.1	3.0	.0	.1
Electric and electronic equipment	9.9	8.8	8.5	.1	.4
Transportation equipment	23.3	23.4	24.6	-.1	-1.3
Motor vehicles and equipment	5.1	5.2	4.9	-.1	.2
Nondurable Goods ^f	66.6	66.8	66.5	-.3	.1
Food and kindred products	12.7	12.9	12.2	-.2	.5
Beverages	3.5	3.5	3.3	.0	.1
Apparel and other textile products	3.6	3.4	3.6	.1	.0
Paper and allied products	6.0	6.0	6.1	-.1	-.1
Printing and publishing	13.5	13.6	13.7	-.1	-.3
Commercial printing	6.2	6.3	6.2	-.1	.0
Chemicals and allied products	22.7	22.6	22.5	.0	.2
Rubber and misc. plastics products	6.0	6.0	6.1	.0	-.2
Nonmanufacturing ^g	558.8	558.1	531.8	.7	27.0
Construction	29.3	30.1	26.5	-.8	2.8
Transportation and Public Utilities	39.2	39.1	36.9	.0	2.3
Trucking and warehousing	10.9	10.9	10.0	.0	.9
Communication, electric, gas services	15.5	15.5	15.3	.0	.2
Wholesale Trade	45.2	45.1	43.6	.1	1.6
Wholesale trade-durable goods	26.6	26.5	25.7	.1	.9
Retail Trade	135.6	136.8	128.4	-1.2	7.2
General merchandise stores	19.7	20.8	18.6	-1.0	1.1
Finance, Insurance, and Real Estate	42.5	42.4	41.2	.1	1.2
Banking	9.3	9.3	8.9	.0	.4
Insurance carriers	14.4	14.5	14.3	-.1	.1
Services	176.0	174.8	167.0	1.3	9.0
Hotels and other lodging places	7.1	7.0	6.8	.1	.3
Personal services	9.5	9.4	8.9	.2	.6
Business services	44.5	44.2	40.1	.2	4.4
Amusement and recreation services	6.0	5.9	5.8	.1	.2
Health services	54.5	54.3	52.8	.1	1.6
Hospitals	26.0	26.0	25.4	.1	.6
Government	90.6	89.4	87.8	1.2	2.8
Federal government	15.8	15.5	15.3	.2	.5
State government	21.0	20.8	20.4	.3	.6
State government education ^h	13.2	13.0	12.7	.2	.5
State government, except education	7.8	7.8	7.7	.0	.1
Local government	53.8	53.1	52.1	.7	1.7
Local government education	31.1	30.5	30.8	.6	.3
Local government, except education	22.7	22.6	21.3	.0	1.4

Cincinnati PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$497.52	\$487.92	\$466.47	43.3	42.8	42.1	\$11.49	\$11.40	\$11.08
Durable Goods ^d	497.04	493.19	473.12	43.6	43.3	42.7	11.40	11.39	11.08
Fabricated metal products	446.75	443.83	413.40	43.5	43.3	41.8	10.27	10.25	9.89
Fabricated structural metal products	500.69	501.02	415.33	45.6	45.3	41.7	10.98	11.06	9.96
Machinery, except electrical	434.84	434.18	424.53	42.3	42.4	42.2	10.28	10.24	10.06
Metalworking machinery	497.49	494.60	484.22	44.3	44.2	42.7	11.23	11.19	11.34
General industrial machinery	422.30	424.54	406.56	42.7	43.1	44.0	9.89	9.85	9.24
Electric and electronic equipment	362.60	365.49	332.09	40.2	40.7	39.3	9.02	8.98	8.45
Transportation equipment	779.39	770.36	730.91	48.2	47.7	47.4	16.17	16.15	15.42
Motor vehicles and equipment	883.98	862.52	799.93	50.6	49.4	47.9	17.47	17.46	16.70
Nondurable Goods ^f	497.94	481.92	459.41	43.0	42.2	41.5	11.58	11.42	11.07
Food and kindred products	495.55	482.38	491.10	42.5	41.3	42.3	11.66	11.68	11.61
Beverages	502.40	501.20	529.55	40.0	40.0	42.5	12.56	12.53	12.46
Apparel and other textile products	234.63	229.25	209.56	39.5	38.4	36.7	5.94	5.97	5.71
Paper and allied products	460.85	444.35	411.84	43.6	42.4	41.6	10.57	10.48	9.90
Printing and publishing	462.98	443.98	474.21	40.4	39.5	41.2	11.46	11.24	11.51
Commercial printing	507.21	473.89	524.66	43.5	41.9	44.5	11.66	11.31	11.79
Chemicals and allied products	611.83	589.91	530.71	44.4	43.6	41.3	13.78	13.53	12.85
Rubber and misc. plastics products	436.89	432.91	391.78	45.7	46.3	42.4	9.56	9.35	9.24
Transportation and Public Utilities	561.20	583.57	539.92	40.0	41.3	39.7	14.03	14.13	13.60
Communication, electric, gas services	561.20	583.57	539.92	40.0	41.3	39.7	14.03	14.13	13.60
Wholesale Trade	419.63	419.02	397.18	40.9	41.0	40.2	10.26	10.22	9.88
Retail Trade ^h	171.36	166.42	162.45	28.8	28.4	28.5	5.95	5.86	5.70
Finance, Insurance, and Real Estate	265.18	264.05	259.51	.....	.....	.....	.....	.....	.....
Banking	265.18	264.05	259.51	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

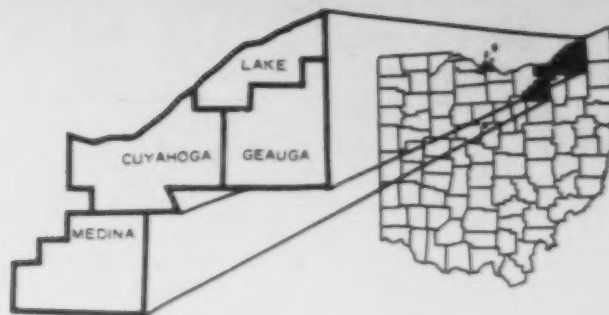
Selected Administrative Program Activities^a

Cincinnati PMSA

	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	3,306	3,398	2,775
Active File of Job Seekers	18,085	17,592	23,194
Referrals to Jobs	2,165	1,569	1,830
Placements	715	171	519
Job Openings Received	1,383	943	1,111
Job Openings Unfilled	1,858	1,746	1,495
Unemployment Insurance Program			
Initial Claims	3,958	6,734	4,684
Continued Claims	40,474	42,477	56,563
First Payments	3,425	3,073	3,982
Last Payments	472	451	886
Weeks Compensated	34,801	29,418	48,882
Benefits Paid	\$5,487,111	\$4,495,061	\$7,880,702
Average Weekly Payment	\$162.65	\$157.42	\$163.42

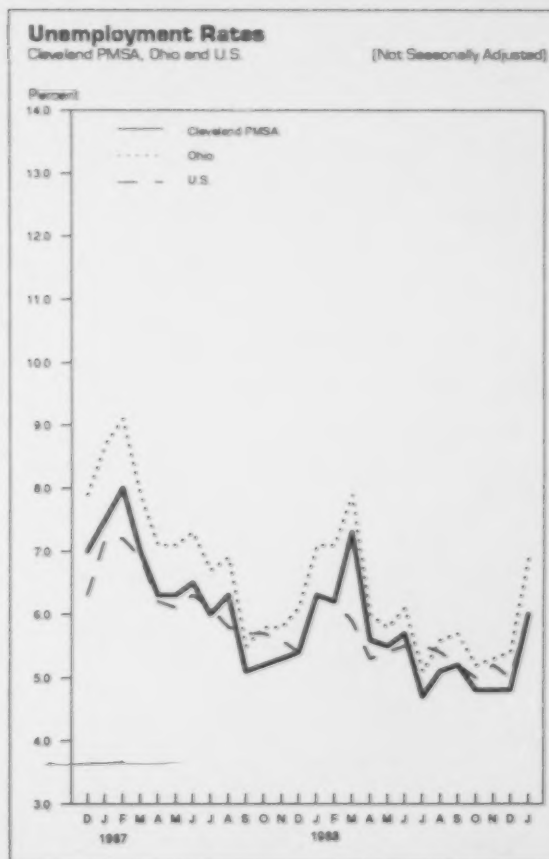
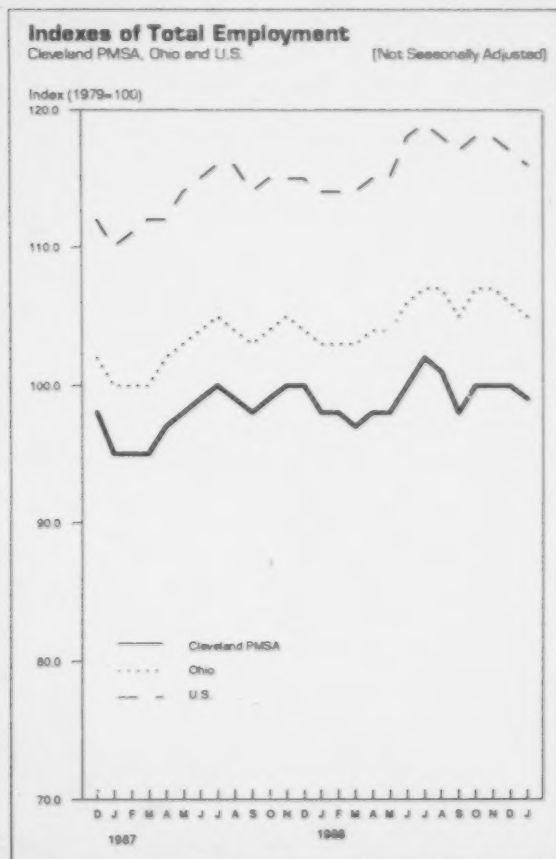
^a Ohio data only

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Cleveland metropolitan area totaled 902,700 in February, increasing 600 from January 1989. Gains in services and nonteaching personnel in state and local schools and colleges outweighed seasonal losses in retail trade, raising nonmanufacturing employment 200. Scattered improvements in durable goods increased manufacturing employment 300 to 204,700. Factory production workers averaged \$12.00 per hour, down \$.08 from January. Their average workweek was .2 hours shorter at 43.5 hours.

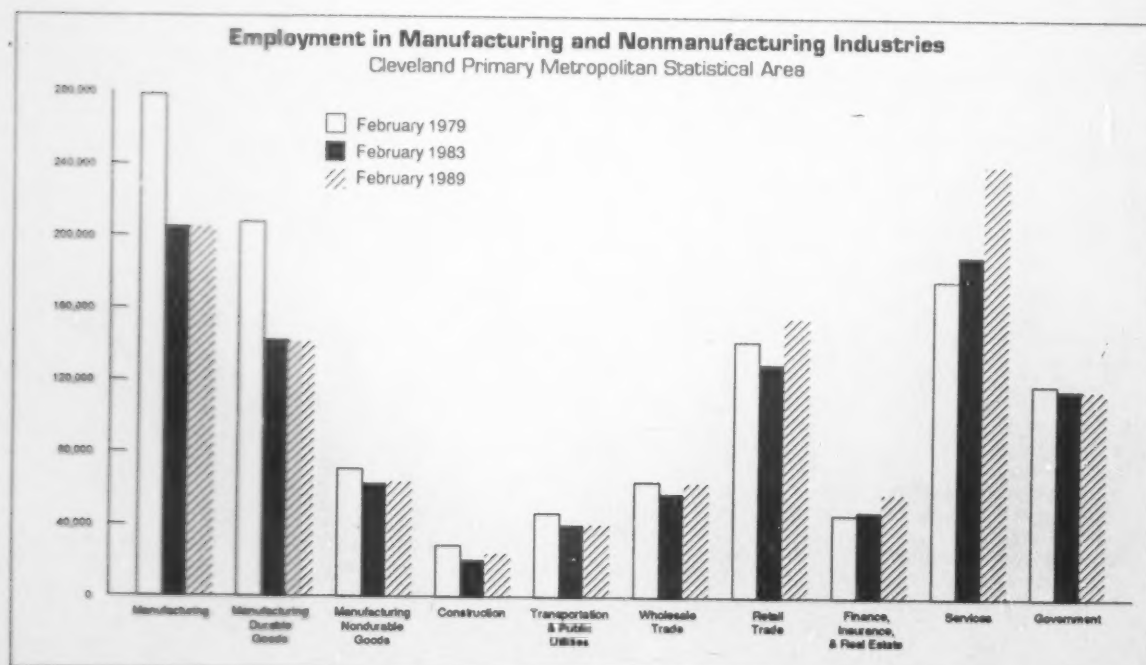
Nonagricultural wage and salary employment advanced 22,600 between February 1988 and February 1989. Primary growth sectors were services, retail trade, finance, insurance, and real estate, and wholesale trade. The manufacturing workforce increased 5,400 over the year. Noteworthy gains occurred in nonelectrical machinery, fabricated metal products, transportation equipment, and chemicals and allied products.



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment		Manufacturing Production Workers			
		Total	Rate				Hours & Earnings			
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	\$321.75	42.9	\$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1989						
929.1	870.6	58.5	6.3	January	882.7	200.4	129.0	503.53	43.0	11.71
929.6	872.2	57.4	6.2	February	880.1	199.3	128.2	500.21	42.9	11.66
934.5	866.4	68.1	7.3	March	886.5	200.2	128.5	510.26	43.5	11.73
925.5	873.9	51.6	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81
922.0	871.3	50.7	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83
936.6	883.0	53.5	5.7	June	911.0	202.2	130.4	518.28	43.7	11.86
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1990						
939.5	883.1	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
INA	INA	INA	INA	February	902.7	204.7	132.7	522.00	43.5	12.00

INA - information not available



Nonagricultural Wage and Salary Employment^a

Cleveland PMSA

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	902.7	902.1	880.1	.6	22.6
Manufacturing	204.7	204.4	199.3	.3	5.4
Durable Goods ^e	141.0	140.6	136.6	.4	4.3
Primary metal industries	21.6	21.7	21.3	-.1	.3
Iron and steel foundries	4.6	4.7	4.8	-.1	-.2
Fabricated metal products	32.9	32.8	32.1	.1	.8
Fabricated structural metal products	4.1	4.0	3.8	.1	.3
Screw machine products, bolts, etc.	4.9	4.9	4.9	.0	.0
Metal forgings and stampings	11.2	11.1	11.0	.0	.2
Machinery, except electrical	30.7	30.7	29.1	.1	1.6
Construction and related machinery	2.6	2.6	2.6	.0	-.1
Metalworking machinery	10.4	10.2	9.8	.1	.6
Special industry machinery	2.6	2.6	2.5	.0	.1
General industrial machinery	3.3	3.2	3.0	.0	.2
Electric and electronic equipment	18.0	17.9	17.7	.1	.3
Electrical industrial apparatus	6.7	6.6	6.1	.1	.6
Transportation equipment	19.9	19.9	19.2	.0	.7
Motor vehicles and equipment	12.8	12.8	11.9	.0	.9
Instruments and related products	6.5	6.4	6.6	.0	-.1
Measuring and controlling devices	4.4	4.4	4.4	.0	.0
Nondurable Goods ^f	63.8	63.8	62.7	.0	1.1
Food and kindred products	6.5	6.5	6.5	-.1	.0
Apparel and other textile products	3.6	3.6	3.5	.0	.1
Paper and allied products	5.9	6.0	5.9	.0	.0
Printing and publishing	15.8	15.8	15.9	.0	.0
Chemicals and allied products	15.0	15.0	14.6	.0	.5
Rubber and misc. plastics products	11.6	11.6	11.3	.0	.4
Nonmanufacturing ^g	697.9	697.7	680.8	.2	17.2
Construction	24.0	24.5	23.2	-.5	.7
Transportation and Public Utilities	40.6	40.6	40.0	.0	.6
Trucking and warehousing	11.8	11.7	11.7	.1	.1
Communication, electric, gas services	17.3	17.3	17.4	.0	-.1
Wholesale Trade	63.3	63.1	61.4	.1	1.8
Wholesale trade-durable goods	44.0	43.9	42.8	.1	1.2
Retail Trade	155.2	157.3	151.7	-2.1	3.5
General merchandise stores	20.4	21.5	20.5	-1.1	-.1
Finance, Insurance, and Real Estate	57.6	57.3	55.4	.3	2.3
Banking	14.1	14.0	14.0	.1	.1
Credit agencies other than banks	8.8	8.8	8.7	.0	.1
Insurance carriers	14.4	14.3	13.7	.1	.7
Services	240.6	238.7	231.8	1.9	8.8
Business services	55.4	55.2	52.0	.2	3.4
Amusement and recreation services	5.3	5.4	5.6	-.1	-.3
Health services	78.0	78.0	76.5	.0	1.5
Hospitals	43.8	43.8	43.9	.0	-.1
Government	115.7	115.2	116.3	.5	-.6
Federal government	20.6	20.7	20.8	-.1	-.2
State government	8.1	8.0	8.2	.1	-.1
State government education ^h	3.3	3.0	3.3	.3	.0
State government, except education	4.8	5.0	5.0	-.2	-.1
Local government	87.0	86.5	87.3	.4	-.3
Local government education	44.3	43.6	44.5	.7	-.2
Local government, except education	42.7	42.9	42.7	-.2	.0

Cleveland PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$522.00	\$527.90	\$500.21	43.5	43.7	42.9	\$12.00	\$12.08	\$11.66
Durable Goods ^e	553.31	561.96	536.55	44.3	44.6	43.8	12.49	12.60	12.25
Primary metal industries	544.57	574.94	579.22	44.6	45.2	45.5	12.21	12.72	12.73
Iron and steel foundries	861.02	984.19	797.79	48.7	52.8	46.6	17.68	18.64	17.12
Fabricated metal products	545.06	543.26	549.85	43.5	43.6	44.2	12.53	12.46	12.44
Fabricated structural metal products	375.36	401.79	371.84	39.1	40.3	39.1	9.60	9.97	9.51
Screw machine products, bolts, etc.	581.72	587.94	519.02	46.5	47.3	46.3	12.51	12.43	11.21
Metal forgings and stampings	701.45	690.46	705.06	46.3	46.0	46.6	15.15	15.01	15.13
Machinery, except electrical	566.57	571.18	489.18	46.1	46.4	42.5	12.29	12.31	11.51
Construction and related machinery	421.74	413.98	410.39	44.3	43.9	44.9	9.52	9.43	9.14
Metalworking machinery	518.34	519.23	430.40	44.8	44.8	40.3	11.57	11.59	10.68
Special industry machinery	505.01	505.18	490.53	43.8	43.4	41.5	11.53	11.64	11.82
General industrial machinery	529.69	511.88	504.68	46.1	45.5	44.0	11.49	11.25	11.47
Electric and electronic equipment	475.08	466.31	471.10	42.8	42.2	43.3	11.10	11.05	10.88
Electrical industrial apparatus	547.66	536.47	547.13	45.6	44.3	45.9	12.01	12.11	11.92
Transportation equipment	724.36	747.20	693.42	45.5	46.7	45.5	15.92	16.00	15.24
Motor vehicles and equipment	803.88	841.27	756.51	46.2	48.1	45.3	17.40	17.49	16.70
Instruments and related products	404.50	414.08	408.24	40.9	41.7	41.7	9.89	9.93	9.79
Measuring and controlling devices	436.54	446.05	429.94	41.3	42.2	41.5	10.57	10.57	10.36
Nondurable Goods ^f	442.15	442.39	413.51	41.4	41.5	40.7	10.68	10.66	10.16
Food and kindred products	420.66	444.37	386.82	41.0	42.2	42.0	10.26	10.53	9.21
Apparel and other textile products	342.70	348.80	329.78	39.3	40.0	39.4	8.72	8.72	8.37
Paper and allied products	486.92	499.93	462.31	42.9	43.7	41.8	11.35	11.44	11.06
Printing and publishing	427.74	419.90	395.01	38.5	38.0	37.3	11.11	11.05	10.59
Chemicals and allied products	534.49	530.67	511.80	43.0	42.9	42.9	12.43	12.37	11.93
Rubber and misc. plastics products	393.16	390.06	373.47	43.3	43.1	42.2	9.08	9.05	8.85
Transportation and Public Utilities	590.49	596.26	571.26	40.5	40.7	40.4	14.58	14.65	14.14
Communication, electric, gas services ..	590.49	596.26	571.26	40.5	40.7	40.4	14.58	14.65	14.14
Wholesale Trade	443.60	436.51	403.91	40.0	39.9	38.8	11.09	10.94	10.41
Retail Trade ^h	185.22	181.97	178.05	27.4	27.2	27.1	6.76	6.69	6.57
Finance, Insurance, and Real Estate	305.78	313.08	296.92	31.6	31.6	31.0	10.87	10.86	10.94
Banking	305.78	313.08	296.92	31.6	31.6	31.0	10.87	10.86	10.94
Services	343.49	343.18	339.14	31.6	31.6	31.0	10.87	10.86	10.94
Health services	343.49	343.18	339.14	31.6	31.6	31.0	10.87	10.86	10.94
Hospitals	343.49	343.18	339.14	31.6	31.6	31.0	10.87	10.86	10.94

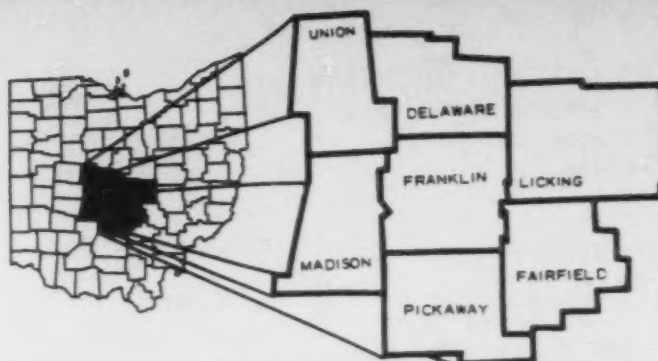
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

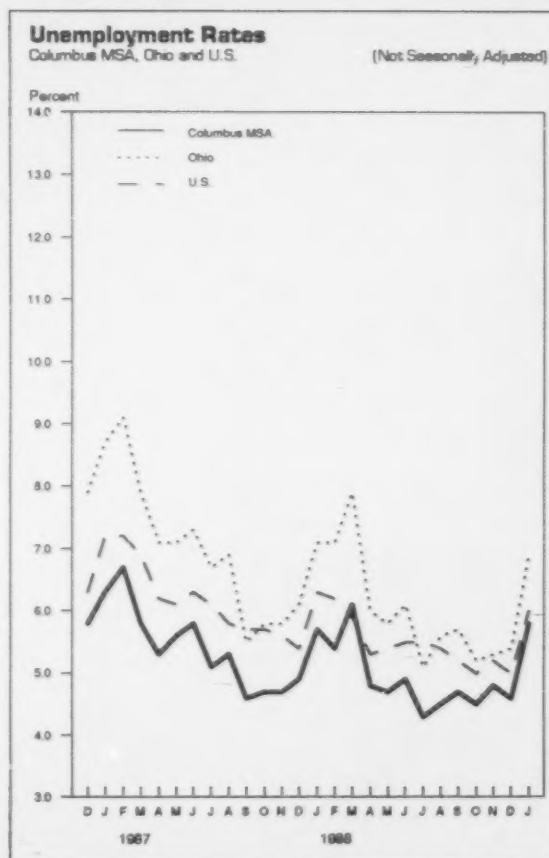
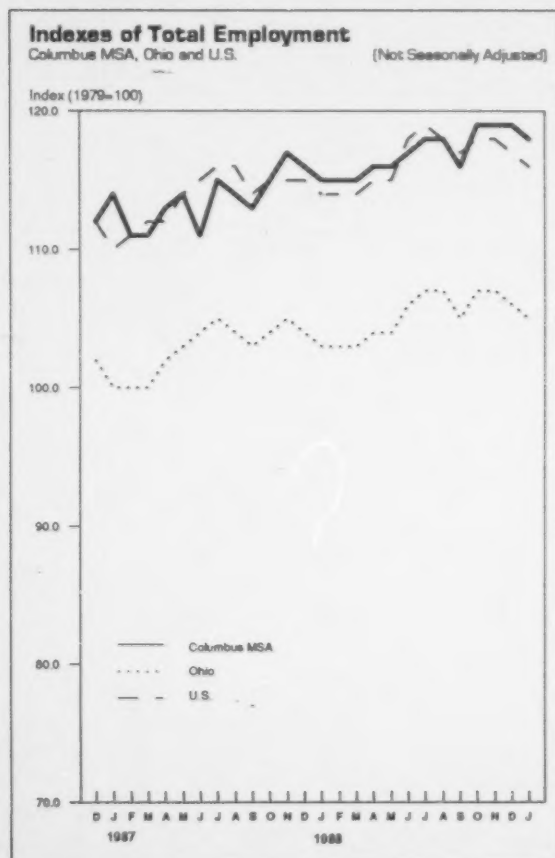
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	4,611	4,793	4,694
Active File of Job Seekers	57,627	55,715	63,093
Referrals to Jobs	2,481	1,614	1,679
Placements	437	208	278
Job Openings Received	1,587	1,247	1,054
Job Openings Unfilled	3,878	3,472	2,322
Unemployment Insurance Program			
Initial Claims	5,854	9,954	7,680
Continued Claims	64,429	70,812	86,928
First Payments	4,779	5,785	5,495
Last Payments	715	802	966
Weeks Compensated	57,286	53,191	67,765
Benefits Paid	\$9,142,349	\$6,344,950	\$10,553,275
Average Weekly Payment	\$162.35	\$160.72	\$158.04

COLUMBUS METROPOLITAN STATISTICAL AREA



In the Columbus metropolitan area, total nonfarm payroll employment rose 800 from January, to 682,500 in February 1989. Nonmanufacturing employment increased 1,000. Seasonal gains in services and nonteaching personnel in state and local schools and colleges outweighed seasonal reductions in retail trade and construction. Modest declines in food and kindred products and rubber and miscellaneous plastics products lowered manufacturing employment 200 to 103,000. Factory production worker average hourly earnings were \$11.76, up \$.04 from January. Their average workweek of 41.3 hours was .2 hours shorter.

Nonagricultural wage and salary employment advanced 23,300 between February 1988 and February 1989. The gain was concentrated in the nonmanufacturing sector. Significant expansion occurred in services and retail trade, although all divisions showed improvement. The manufacturing workforce rose 1,500 during the period. Modest growth was noted in fabricated metal products, printing and publishing, and rubber and miscellaneous plastics products. Employment in nonelectrical machinery and stone, clay, and glass products declined.

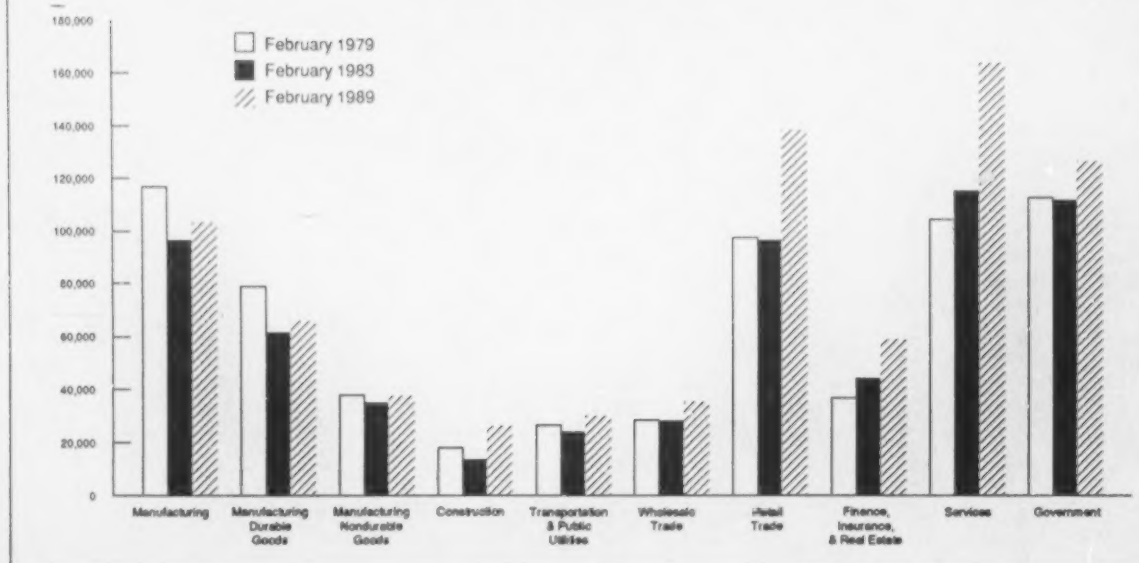


Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment		Manufacturing Production Workers	
		Total	Rate				Hours & Earnings			
									Average Weekly Earnings	Average Weekly Hours
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
704.0	664.1	40.0	5.7	January	658.5	102.2	67.1	468.65	41.4	11.32
705.9	667.8	38.1	5.4	February	659.2	101.5	66.8	477.47	41.7	11.45
706.8	663.3	43.5	6.2	March	664.1	101.0	66.5	474.54	41.3	11.49
704.0	669.8	34.2	4.9	April	670.6	101.6	67.1	482.47	41.7	11.57
702.5	669.5	33.0	4.7	May	677.6	101.8	67.3	480.24	41.4	11.60
711.8	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
725.0	683.3	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
INA	INA	INA	INA	February	682.5	103.0	67.7	485.69	41.3	11.76

INA - information not available

Employment in Manufacturing and Nonmanufacturing Industries
Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	682.5	681.7	659.2	.8	23.3
Manufacturing	103.0	103.2	101.5	-.2	1.5
Durable Goods ^e	65.7	65.6	64.5	.1	1.1
Stone, clay, and glass products	9.9	9.9	10.0	.0	-.2
Glass and glassware, pressed or blown ..	3.3	3.3	3.3	.0	-.1
Fabricated metal products	9.7	9.6	8.7	.0	.9
Fabricated structural metal products	2.6	2.5	2.5	.0	.1
Machinery, except electrical	9.6	9.6	9.9	.0	-.3
Electric and electronic equipment	10.4	10.4	10.5	.0	-.1
Transportation equipment	13.1	13.0	12.9	.1	.2
Instruments and related products	4.2	4.1	4.1	.1	.1
Nondurable Goods ^f	37.4	37.7	37.0	-.3	.4
Food and kindred products	10.1	10.3	10.1	-.2	.0
Printing and publishing	10.7	10.7	10.3	.0	.4
Chemicals and allied products	6.6	6.6	6.7	.0	-.1
Rubber and misc. plastics products	5.6	5.7	5.3	-.1	.3
Nonmanufacturing^g	579.5	578.5	557.7	1.0	21.8
Construction	26.1	26.5	24.4	-.4	1.7
Transportation and Public Utilities	30.1	30.0	28.9	.0	1.2
Trucking and warehousing	12.6	12.5	11.9	.1	.7
Communication, electric, gas services	11.9	11.9	11.9	.0	.0
Wholesale Trade	35.3	35.3	33.9	.0	1.3
Wholesale trade-durable goods	22.8	22.7	21.9	.0	.8
Retail Trade	138.3	139.9	133.0	-1.6	5.3
General merchandise stores	19.4	20.1	20.0	-.7	-.6
Finance, Insurance, and Real Estate	58.6	58.5	56.9	.1	1.7
Banking	11.7	11.7	11.0	.0	.7
Insurance carriers	23.3	23.3	23.0	.0	.3
Services	163.9	161.9	156.2	2.0	7.7
Business services	38.6	38.3	35.5	.3	3.0
Health services	42.1	42.0	40.6	.1	1.6
Hospitals	19.4	19.4	18.8	.1	.7
Government	126.4	125.6	123.5	.8	2.9
Federal government	15.3	15.3	15.4	.0	-.1
State government	55.3	54.9	54.6	.4	.7
State government education ^h	24.0	23.4	23.9	.6	.1
State government, except education	31.3	31.5	30.7	-.3	.6
Local government	55.9	55.4	53.6	.5	2.3
Local government education	34.2	33.8	32.7	.4	1.5
Local government, except education	21.6	21.6	20.9	.0	.7

Columbus MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$485.69	\$486.38	\$477.47	41.3	41.5	41.7	\$11.76	\$11.72	\$11.45
Durable Goods ^o	488.22	490.18	490.47	41.2	41.4	42.1	11.85	11.84	11.65
Stone, clay, and glass products	479.08	471.77	466.62	41.3	40.6	40.4	11.60	11.62	11.55
Glass and glassware, pressed or blown	444.85	427.79	429.24	41.0	39.5	39.2	10.85	10.83	10.95
Fabricated metal products	500.58	515.01	501.84	40.5	41.3	40.8	12.36	12.47	12.30
Fabricated structural metal products	453.17	465.37	477.22	40.9	41.7	42.8	11.08	11.16	11.15
Machinery, except electrical	443.91	447.82	454.96	40.1	40.6	42.8	11.07	11.03	10.63
Electric and electronic equipment	452.98	459.55	453.87	39.7	40.1	41.0	11.41	11.46	11.07
Transportation equipment	598.99	591.50	630.19	43.0	42.8	45.6	13.93	13.82	13.82
Instruments and related products	424.66	422.41	418.95	40.1	39.7	40.4	10.59	10.64	10.37
Nondurable Goods ^f	481.73	478.30	452.64	41.6	41.7	41.0	11.58	11.47	11.04
Food and kindred products	432.89	432.89	433.31	40.8	40.8	39.9	10.61	10.61	10.86
Printing and publishing	578.31	573.25	520.87	40.3	40.2	38.9	14.35	14.26	13.39
Chemicals and allied products	611.29	598.40	544.74	44.2	44.0	42.0	13.83	13.60	12.97
Rubber and misc. plastics products	370.40	379.18	363.66	41.9	42.7	43.5	8.84	8.88	8.36
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	565.81	565.81	564.39	40.3	40.3	40.4	14.04	14.04	13.97
Wholesale Trade	357.00	360.38	344.83	37.5	37.5	37.4	9.52	9.61	9.22
Retail Trade ^h	188.47	185.56	175.97	28.6	28.2	28.2	6.59	6.58	6.24
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	270.81	270.63	261.66	.....	.....	.....	.....	.....	.....
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	359.92	360.74	335.11	33.7	34.0	34.3	10.68	10.61	9.77

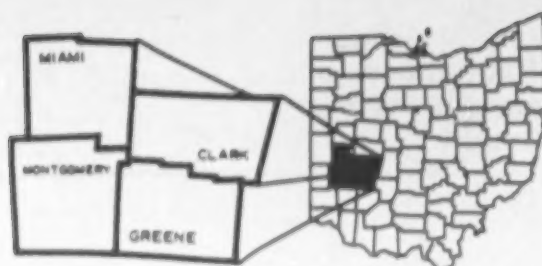
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	5,606	5,326	4,120
Active File of Job Seekers	31,875	29,065	33,598
Referrals to Jobs	2,407	2,179	2,075
Placements	546	431	563
Job Openings Received	953	987	1,081
Job Openings Unfilled	1,771	1,684	2,482
Unemployment Insurance Program			
Initial Claims	4,140	6,525	5,069
Continued Claims	45,322	51,224	53,181
First Payments	3,239	4,230	3,192
Last Payments	531	461	544
Weeks Compensated	40,588	37,985	44,644
Benefits Paid	\$6,550,211	\$5,962,113	\$7,080,238
Average Weekly Payment	\$167.30	\$163.10	\$160.72

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

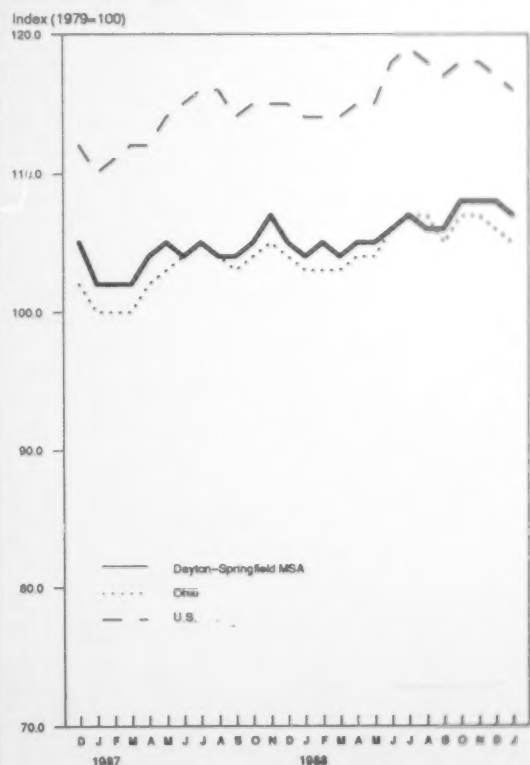


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area rose 500 from January to 438,700 in February 1989. Nonmanufacturing employment increased 500 as more business in services offset declines in retail trade and construction. The manufacturing workforce improved slightly to 104,900. Factory production workers averaged \$13.00 per hour, down \$.08 from January. Their average workweek of 43.9 hours was .2 hours shorter.

Total nonfarm wage and salary employment advanced 12,700 between February 1988 and February 1989. Expansion in the nonmanufacturing sector accounted for most of the gain. Moderate improvements occurred in services, retail trade, and construction. Growth in nonelectrical machinery, transportation equipment, and food and kindred products raised manufacturing employment 2,000 over the year. Employment in printing and publishing, paper and allied products, and electric and electronic equipment declined.

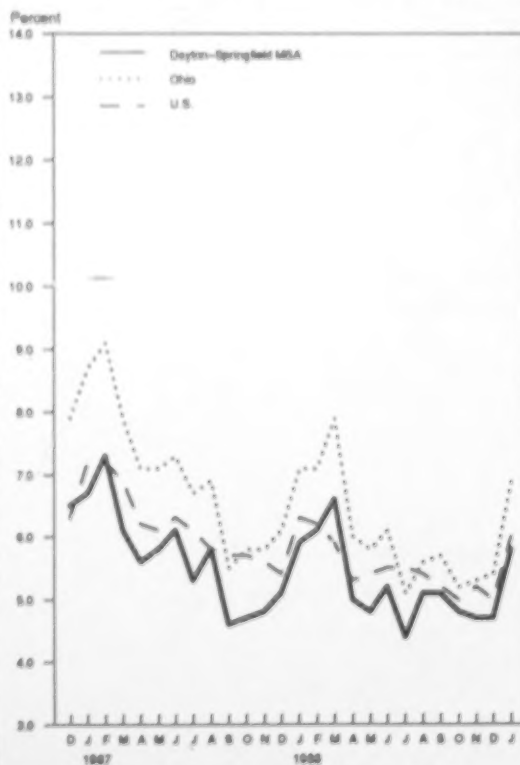
Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates

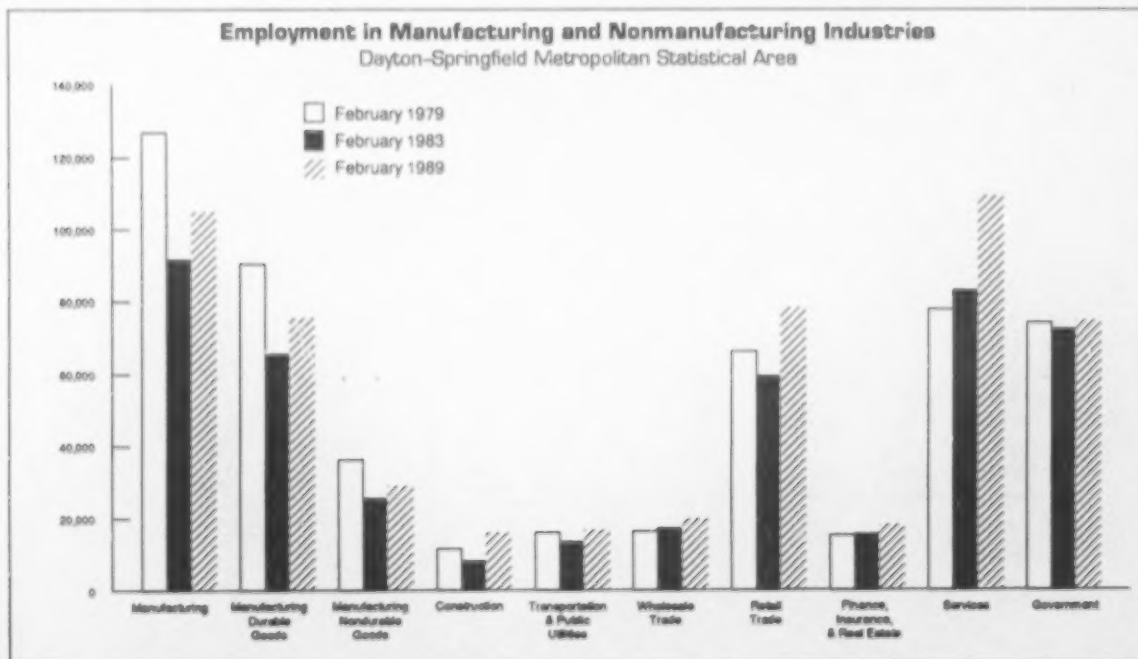
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed								
		Total	Rate							
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.86	42.8	12.03
461.9	435.8	26.1	5.7	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1989						
466.5	438.9	27.6	5.9	January	426.5	103.4	66.1	507.24	42.2	12.02
469.1	440.4	28.7	6.1	February	426.0	103.0	65.8	516.86	42.4	12.19
468.7	438.1	30.6	6.5	March	429.8	103.9	66.7	539.14	43.2	12.48
464.6	441.6	23.0	4.9	April	433.4	104.4	67.3	546.45	43.3	12.62
461.6	439.6	22.0	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61
467.8	443.4	24.3	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
474.8	447.3	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
INA	INA	INA	INA	February	438.7	104.9	67.7	570.70	43.9	13.00

INA - information not available



Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	438.7	438.2	426.0	.5	12.7
Manufacturing	104.9	104.9	103.0	.1	2.0
Durable Goods ^e	75.6	75.8	73.7	-.2	2.0
Fabricated metal products	8.3	8.3	8.3	.0	.0
Machinery, except electrical	31.1	31.2	30.0	-.1	1.1
Metalworking machinery	6.8	6.8	6.6	.0	.1
General industrial machinery	2.9	2.9	2.7	.0	.1
Electric and electronic equipment	5.8	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.3	3.3	3.3	-.1	-.1
Transportation equipment	20.7	20.8	20.4	-.1	.3
Nondurable Goods ^f	29.3	29.1	29.3	.2	.0
Food and kindred products	3.1	3.0	2.8	.1	.3
Paper and allied products	5.8	5.8	5.9	.0	-.1
Printing and publishing	8.7	8.7	8.9	.0	-.2
Rubber and misc. plastics products	7.9	7.9	7.9	.0	.1
Nonmanufacturing ^g	333.8	333.3	323.1	.5	10.7
Construction	16.1	16.9	14.2	-.8	1.9
Transportation and Public Utilities	16.7	16.6	16.4	.1	.3
Communication, electric, gas services	5.2	5.3	5.7	-.1	-.6
Wholesale-Trade	19.9	19.9	19.1	.0	.9
Wholesale trade-durable goods	13.6	13.6	13.3	.0	.3
Retail Trade	78.4	79.3	76.4	-.9	2.1
General merchandise stores	11.3	11.9	11.4	-.5	-.1
Finance, Insurance, and Real Estate	18.1	18.0	17.7	.1	.4
Banking	4.2	4.2	4.1	.0	.1
Credit agencies other than banks	4.9	4.8	4.8	.1	.0
Insurance carriers	3.0	3.0	2.9	-.1	.0
Services	109.4	107.9	105.0	1.5	4.4
Business services	26.7	26.3	24.7	.3	2.0
Health services	37.2	37.2	36.2	.0	1.0
Hospitals	19.4	19.3	18.9	.1	.4
Educational services	9.2	8.4	9.0	.8	.1
Government	74.7	74.3	74.0	.4	.8
Federal government	27.6	27.6	27.5	.0	.1
State government	7.0	7.2	7.0	-.2	.0
State government education ^h	4.1	4.3	4.1	-.2	.0
State government, except education	2.8	2.8	2.9	.0	.0
Local government	40.1	39.5	39.4	.6	.7
Local government education	25.2	24.6	25.0	.6	.2
Local government, except education	15.0	14.9	14.4	.1	.6

Dayton-Springfield MSA

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$570.70	\$576.63	\$516.86	43.9	44.1	42.4	\$13.00	\$13.08	\$12.19
Durable Goods ^e	583.44	590.52	524.06	44.2	44.4	42.4	13.20	13.30	12.36
Fabricated metal products	401.82	400.15	395.33	41.9	41.9	42.6	9.59	9.55	9.28
Machinery, except electrical	624.21	641.72	554.26	45.2	46.3	42.8	13.81	13.86	12.95
Metalworking machinery	596.93	606.27	559.98	47.3	47.7	45.9	12.62	12.71	12.20
General industrial machinery	508.80	506.71	439.60	43.9	44.1	41.2	11.59	11.49	10.67
Electric and electronic equipment	450.66	454.21	439.22	44.4	44.4	44.5	10.15	10.23	9.87
Electrical industrial apparatus	556.92	554.48	508.37	46.8	46.4	46.3	11.90	11.95	10.98
Transportation equipment	733.14	737.10	646.18	45.2	45.0	42.4	16.22	16.38	15.24
Nondurable Goods ^f	531.96	536.11	498.85	42.9	43.2	42.6	12.40	12.41	11.71
Food and kindred products	403.68	378.22	351.14	43.5	41.7	40.5	9.28	9.07	8.67
Paper and allied products	465.04	505.25	516.20	42.9	45.6	46.9	10.84	11.08	11.63
Printing and publishing	475.19	455.00	425.70	40.1	39.6	38.7	11.85	11.49	11.00
Rubber and misc. plastics products	737.37	737.81	641.76	44.5	44.5	43.1	16.57	16.58	14.89
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	548.05	543.10	534.76	39.8	39.7	39.7	13.77	13.68	13.47
Wholesale Trade	407.63	402.19	418.40	40.2	39.9	40.0	10.14	10.08	10.46
Retail Trade ^h	168.72	164.67	155.61	28.5	28.1	27.3	5.92	5.86	5.70
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	356.93	360.49	370.97	33.8	34.3	34.8	10.56	10.51	10.66

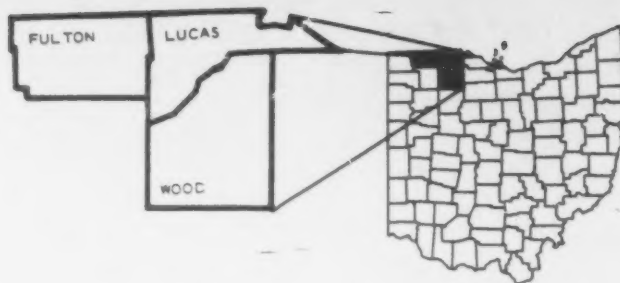
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

Dayton-Springfield MSA

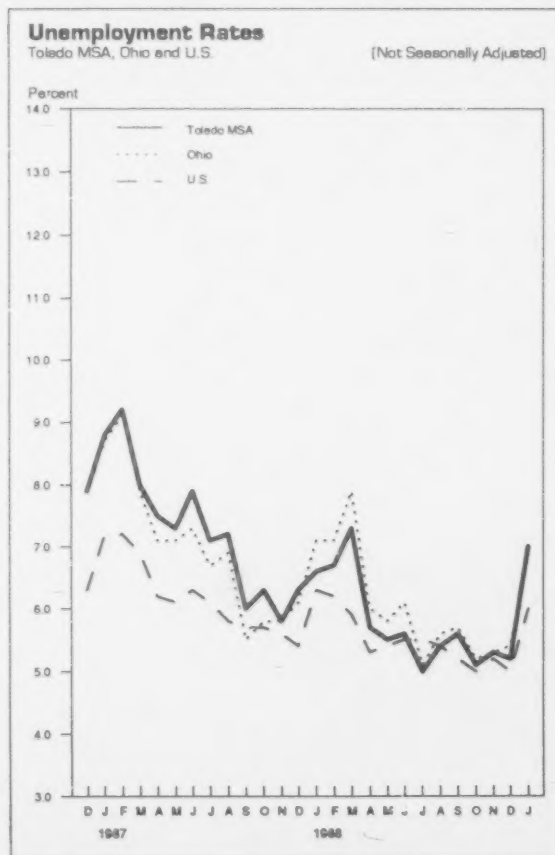
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	2,384	3,003	2,628
Active File of Job Seekers	12,504	12,098	20,449
Referrals to Jobs	2,172	1,349	1,027
Placements	263	263	251
Job Openings Received	759	727	683
Job Openings Unfilled	1,484	1,384	2,230
Unemployment Insurance Program			
Initial Claims	2,955	4,729	3,173
Continued Claims	28,527	32,052	36,329
First Payments	2,413	2,417	2,687
Last Payments	317	301	381
Weeks Compensated	26,450	22,845	32,737
Benefits Paid	\$3,894,895	\$3,274,333	\$4,817,885
Average Weekly Payment	\$149.57	\$148.30	\$149.63

TOLEDO METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Toledo metropolitan area declined 1,000 from January to 285,600 in February 1989. Seasonal decreases in retail trade and construction negated a modest gain in services, lowering nonmanufacturing employment by 700. The manufacturing workforce dropped 300 to 61,700 due to less business among producers of nondurable goods, especially food and kindred products. Factory production workers averaged \$13.37 per hour, up \$.15 from January. Their average workweek of 44.9 hours was 1.3 hours longer.

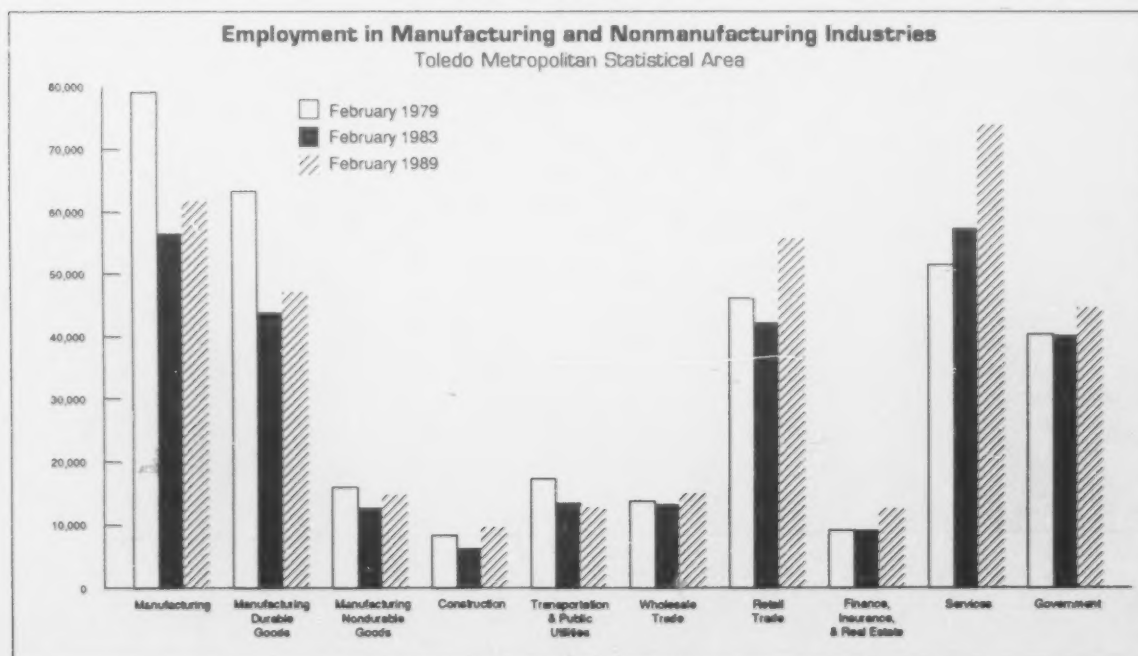
Nonagricultural wage and salary employment advanced 9,400 between February 1988 and February 1989. The majority of the gain was in the nonmanufacturing sector. Noteworthy growth occurred in services, retail trade, and construction. Manufacturing employment increased 500 with modest growth in food and kindred products and nonelectrical machinery. Employment in stone, clay, and glass products and electric and electronic equipment declined.



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.8	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.6	569.41	43.4	13.12
				1988						
307.9	287.1	20.8	6.7	January	277.2	61.9	44.5	572.47	43.7	13.10
309.2	287.6	21.6	7.0	February	276.1	61.2	43.8	526.58	41.3	12.75
310.7	286.9	23.8	7.7	March	279.4	61.7	44.2	568.49	43.1	13.19
307.7	290.0	17.7	5.8	April	282.4	61.9	44.3	572.86	43.3	13.23
306.4	289.5	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
316.3	294.3	22.0	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
INA	INA	INA	INA	February	285.6	61.7	44.2	600.31	44.9	13.37

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1989 ^c	From Last Month	From Last Year
Total	285.6	286.6	276.1	-1.0	9.4
Manufacturing	61.7	62.0	61.2	-.3	.5
Durable Goods ^e	47.0	46.9	46.8	.1	.1
Stone, clay, and glass products	7.5	7.5	7.8	.0	-.3
Primary metal industries	3.5	3.5	3.5	.0	.0
Fabricated metal products	7.2	7.2	7.1	.0	.1
Metal forgings and stampings	3.0	2.9	3.1	.1	-.1
Machinery, except electrical	6.0	6.0	5.7	.0	.2
Electric and electronic equipment	2.2	2.2	2.5	.0	-.3
Transportation equipment	15.8	15.7	15.7	.1	.1
Motor vehicles and equipment	14.9	14.8	14.9	.1	.0
Nondurable Goods ^f	14.7	15.1	14.4	-.4	.4
Food and kindred products	3.9	4.1	3.8	-.2	.2
Rubber and misc. plastics products	3.4	3.5	3.4	.0	.0
Nonmanufacturing^g	223.9	224.6	215.0	-.7	8.9
Construction	9.6	10.0	8.5	-.4	1.2
Transportation and Public Utilities	12.8	12.8	12.8	.0	.0
Trucking and warehousing	5.2	5.2	5.2	.0	.0
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
Wholesale Trade	15.0	14.9	14.6	.0	.4
Wholesale trade-durable goods	10.0	10.0	9.7	.0	.3
Retail Trade	55.6	56.6	53.2	-1.0	2.4
General merchandise stores	8.4	9.0	7.8	-.5	.7
Finance, Insurance, and Real Estate	12.5	12.4	12.1	.1	.4
Banking	3.9	3.8	3.7	.0	.1
Services	73.8	73.4	70.2	.4	3.6
Business services	15.7	15.7	14.6	.0	1.2
Health services	27.3	27.2	26.7	.1	.6
Hospitals	15.1	15.0	15.0	.1	.0
Government	44.5	44.2	43.5	.3	1.0
State government	16.6	16.5	16.2	.0	.4
State government education ^h	12.5	12.4	12.2	.1	.3
State government, except education	4.1	4.2	4.0	.0	.1
Local government	25.3	25.1	24.7	.3	.6
Local government education	14.9	14.6	14.6	.3	.3
Local government, except education	10.4	10.4	10.1	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers^a

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$600.31	\$576.39	\$526.58	44.9	43.6	41.3	\$13.37	\$13.22	\$12.75
Durable Goods ^d	629.28	599.67	547.64	45.6	43.9	41.3	13.80	13.66	13.26
Stone, clay, and glass products	523.26	494.03	504.27	40.5	38.9	39.8	12.92	12.70	12.67
Primary metal industries	533.05	529.42	474.88	46.8	46.4	42.4	11.39	11.41	11.20
Fabricated metal products	518.25	550.90	560.28	45.5	46.1	43.5	11.39	11.95	12.88
Metal forgings and stampings	636.41	694.93	726.33	43.5	45.9	46.5	14.63	15.14	15.62
Machinery, except electrical	522.97	527.68	520.37	43.4	43.9	43.4	12.05	12.02	11.99
Electric and electronic equipment	545.87	547.01	546.12	43.6	44.4	42.9	12.52	12.32	12.73
Transportation equipment	840.10	758.70	614.23	48.9	45.0	38.9	17.18	16.86	15.79
Motor vehicles and equipment	845.48	764.90	616.92	48.9	45.1	38.8	17.29	16.96	15.90
Nondurable Goods ^e	495.33	493.96	448.52	42.3	42.4	41.3	11.71	11.65	10.86
Food and kindred products	561.96	555.55	533.63	42.0	43.2	43.0	13.38	12.86	12.41
Rubber and misc. plastics products	357.84	358.09	334.97	42.0	40.6	40.9	8.52	8.82	8.19
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	584.66	584.23	584.45	40.8	40.6	40.7	14.33	14.39	14.36
Wholesale Trade	387.50	383.96	368.06	39.5	39.1	38.3	9.81	9.82	9.61
Retail Trade ^f	159.50	156.67	157.62	27.5	27.2	28.4	5.80	5.76	5.55

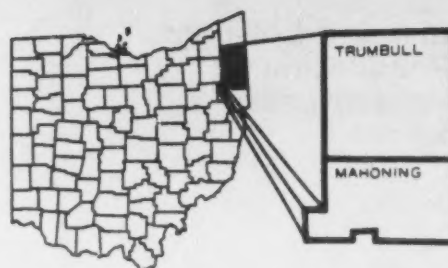
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

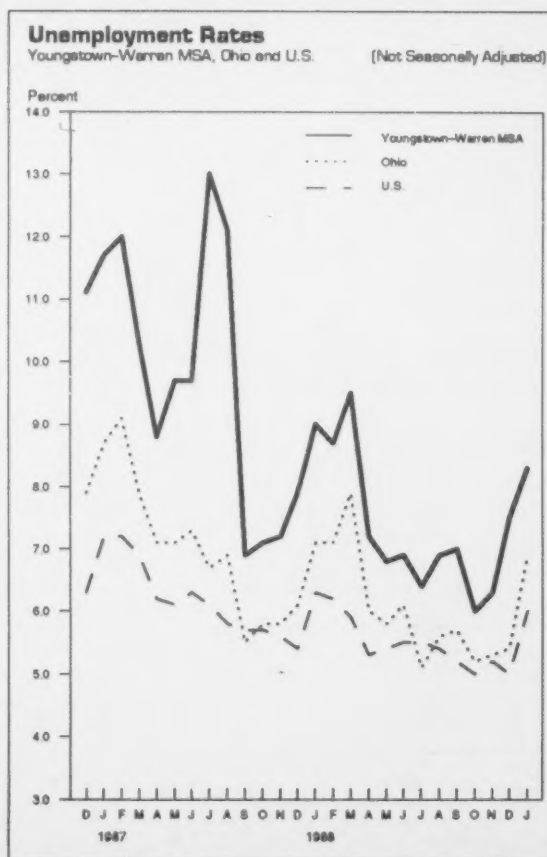
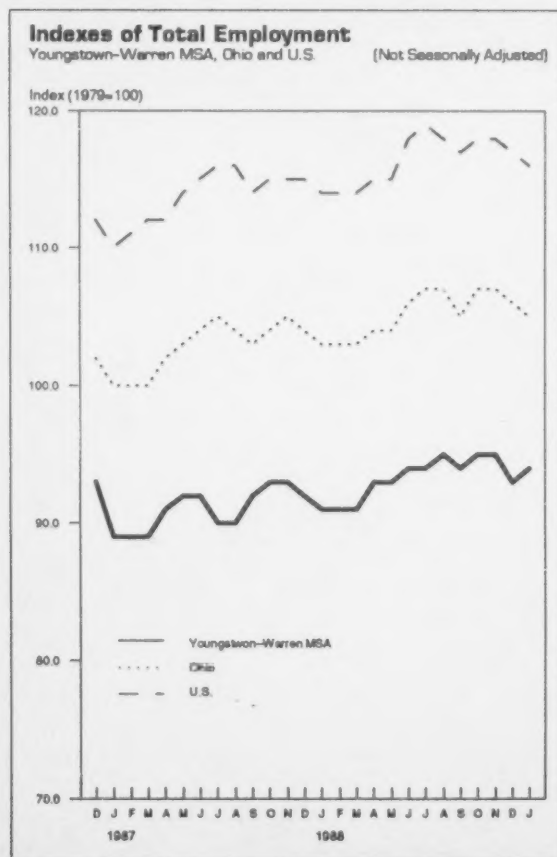
	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	2,094	2,178	2,130
Active File of Job Seekers	19,090	17,984	18,333
Referrals to Jobs	1,161	1,034	1,005
Placements	277	372	256
Job Openings Received	381	463	528
Job Openings Unfilled	663	810	666
Unemployment Insurance Program			
Initial Claims	2,804	4,388	4,623
Continued Claims	24,782	27,788	30,036
First Payments	2,085	2,374	2,163
Last Payments	286	252	285
Weeks Compensated	22,522	20,538	23,806
Benefits Paid	\$3,537,673	\$3,158,695	\$3,591,481
Average Weekly Payment	\$159.49	\$160.19	\$153.61

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



In the Youngstown-Warren metropolitan area, nonfarm payroll employment totaled 193,000 in February, down 300 from the January 1989 level. Nonmanufacturing employment increased 100 as seasonal improvements in services and nonteaching personnel in state education outweighed reductions in retail trade and construction. Manufacturing employment, at 50,600, was down 500 from last month. Modest declines were noted in primary metal industries, transportation equipment, and electric and electronic equipment. Factory production workers averaged \$13.67 per hour, down \$.12 from January. Their average workweek of 42.9 hours was .6 hours shorter.

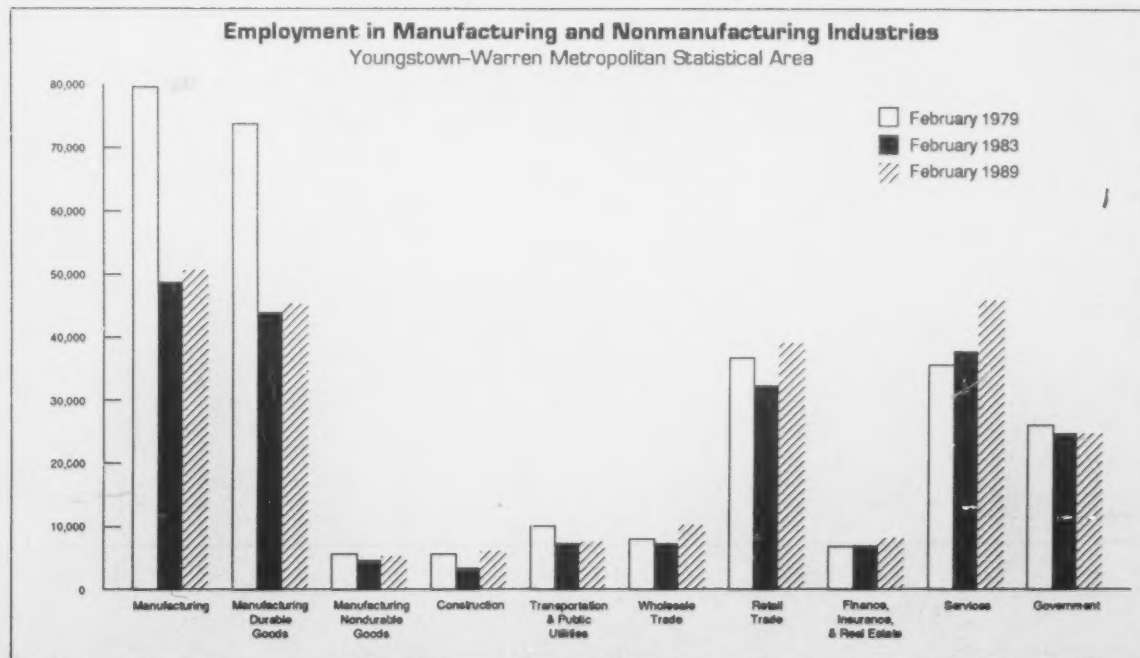
Nonagricultural wage and salary employment advanced 5,400 between February 1988 and February 1989. Services and retail trade were the primary growth industries. Improvements were also recorded in wholesale trade and construction. Modest expansion in primary metal industries, fabricated metal products, and nonelectrical machinery increased manufacturing employment 1,000 over the year.



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed			Manufacturing Employment						
		Total	Rate		Manufacturing Production Workers						
					Hours & Earnings						
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings		
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54	
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27	
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27	
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62	
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72	
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38	
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84	
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24	
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30	
221.3	199.7	21.5	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30	
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52	
				1988							
220.6	200.8	19.8	9.0	January	187.2	49.4	37.6	557.61	41.8	13.34	
221.5	202.1	19.3	8.7	February	187.7	49.6	37.7	554.86	41.5	13.37	
222.6	201.4	21.2	9.5	March	189.4	50.0	38.1	557.86	41.6	13.41	
220.1	204.2	15.9	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55	
220.2	205.3	15.0	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58	
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60	
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43	
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40	
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59	
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63	
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68	
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66	
				1989							
225.1	206.4	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79	
INA	INA	INA	INA	February	193.0	50.6	38.6	586.44	42.9	13.67	

INA - information not available



Youngstown-Warren MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	193.0	193.4	187.7	-.3	5.4
Manufacturing	50.6	51.1	49.6	-.5	1.0
Durable Goods ^e	45.3	46.0	44.6	-.7	.7
Primary metal industries	18.8	19.1	18.5	-.2	.3
Blast furnace and basic steel products	5.5	5.6	5.9	.0	-.4
Fabricated metal products	7.5	7.5	7.2	.0	.3
Machinery, except electrical	3.9	3.9	3.6	.0	.3
Electric and electronic equipment	2.3	2.4	2.4	-.1	-.1
Transportation equipment	9.7	9.9	9.8	-.2	-.1
Nondurable Goods ^f	5.3	5.1	5.0	.2	.3
Nonmanufacturing^g	142.4	142.3	138.1	.1	4.3
Construction	6.1	6.4	5.6	-.3	.5
Transportation and Public Utilities	7.6	7.5	7.3	.1	.3
Communication, electric, gas services	2.8	2.8	2.9	.0	-.1
Wholesale Trade	10.3	10.3	9.7	.0	.6
Wholesale trade-durable goods	6.6	6.6	6.3	.0	.4
Retail Trade	39.1	39.6	38.0	-.6	1.0
General merchandise stores	5.0	5.4	5.2	-.3	-.2
Finance, Insurance, and Real Estate	8.2	8.2	8.1	-.1	.1
Banking	2.7	2.7	2.7	.0	.0
Services	45.9	45.2	43.5	.6	2.3
Health services	20.7	20.6	19.9	.1	.7
Hospitals	10.8	10.8	10.4	.0	.4
Government	24.7	24.4	25.2	.3	-.5
State government	4.6	4.1	4.5	.5	.1
State government education ^h	3.1	2.6	3.0	.5	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.0	18.2	18.6	-.1	-.6
Local government education	11.7	11.9	12.5	-.2	-.8
Local government, except education	6.3	6.2	6.2	.1	.1

Youngstown-Warren MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c	Feb. 1989 ^b	Jan. 1989 ^c	Feb. 1988 ^c
Manufacturing	\$586.44	\$599.87	\$554.86	42.9	43.5	41.5	\$13.67	\$13.79	\$13.37
Durable Goods ^d	601.25	614.51	567.95	43.1	43.8	41.7	13.95	14.03	13.62
Primary metal industries	640.28	658.16	606.94	42.6	43.3	41.6	15.03	15.20	14.59
Blast furnace and basic steel products ..	607.45	595.19	660.78	44.6	43.7	47.3	13.62	13.62	13.97
Fabricated metal products	581.62	599.42	540.47	43.6	44.6	41.1	13.34	13.44	13.15
Machinery, except electrical	509.95	511.15	486.49	43.4	43.8	42.6	11.75	11.67	11.42
Electric and electronic equipment	475.80	448.27	451.67	41.7	39.6	40.4	11.41	11.32	11.18
Transportation equipment	663.35	682.28	621.78	44.7	46.1	42.5	14.84	14.80	14.63
Nondurable Goods ^e	421.20	417.90	399.50	40.5	39.8	38.9	10.40	10.50	10.27
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ...	563.60	566.21	538.56	40.2	40.1	39.6	14.02	14.12	13.60
Wholesale Trade	365.43	371.22	351.66	39.0	39.2	38.1	9.37	9.47	9.23
Retail Trade ^h	181.58	177.37	171.60	29.1	28.7	28.6	6.24	6.18	6.00

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	February 1989	January 1989	February 1988
Employment Service Program			
New Applicants	2,117	2,066	2,048
Active File of Job Seekers	16,680	15,382	16,911
Referrals to Jobs	1,044	1,123	1,364
Placements	136	259	247
Job Openings Received	317	519	500
Job Openings Unfilled	590	581	599
Unemployment Insurance Program			
Initial Claims	2,727	4,208	4,013
Continued Claims	22,506	25,949	27,137
First Payments	1,727	2,358	1,868
Last Payments	240	249	276
Weeks Compensated	20,569	19,243	23,857
Benefits Paid	\$3,052,043	\$2,799,824	\$3,525,554
Average Weekly Payment	\$152.32	\$150.23	\$150.60

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	February 1989	January 1989	February 1988
New Applicants	39,842	41,943	38,003
Active File of Job Seekers	269,508	252,036	292,815
Counseling Interviews	999	1,098	1,084
Tests Administered	1,866	1,652	4,169
General Aptitude Tests	76	102	348
Proficiency Tests	335	329	413
Specific Aptitude Tests	346	338	1,110
Referrals to Jobs	24,630	20,202	20,640
Placements	4,366	4,344	4,802
Job Openings Received	9,402	11,070	9,454
Job Openings Unfilled	19,148	19,179	16,919

Selected Unemployment Insurance Activities

	Ohio		
	February 1989	January 1989	February 1988
Initial Claims	46,056	78,656	56,872
Continued Claims	455,561	510,882	577,761
First Payments	35,608	43,582	37,532
Last Payments	4,827	5,058	5,718 ^a
Average Weekly Claimants	115,892	113,358	135,868
Average Weekly Benefit Recipients	102,045	90,229	119,232
Weeks Compensated	409,745	373,474	476,928
Benefits Paid	\$64,091,210	\$57,196,981	\$73,408,382
Average Weekly Payment	\$161.04	\$158.55	\$156.82
Continued Claims for Survey Week	117,635	115,460	137,622 ^a
Insured Unemployment Rate	2.6	2.6	3.2
Net Contributions	\$68,231,924	\$17,519,587	\$76,085,364
Active Employer Accounts	202,136	201,677	197,625

^aRevised

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CONGRESSIONAL INFO. SERVICE
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

56270-1
5/17/89
Labor
Market
Review

March 1989

Summary. Ohio's seasonally adjusted unemployment rate, at 5.2 percent in March, was unchanged from February. The U.S. rate was reduced slightly, to 5.0 percent in March. Total employment in Ohio dropped 8,000, to 5,144,000. The number of workers unemployed in the State, 284,000 in March, was up 4,000 from February. Expansion in retail trade and services raised seasonally adjusted nonfarm wage and salary employment 3,000, to 4,774,000 in March. (See page 3.)

Factory Employment. Manufacturing industries lost 3,000 jobs over the month. Durable-goods employment, at 752,000, was down 2,000, due to reductions in primary metal industries and fabricated metal products. Employment in nondurable goods declined 1,000, to 363,000, the result of scattered minor losses.

Nonmanufacturing. Retail trade employment rose 5,000 in March and services rose 2,000, boosting nonmanufacturing employment to 3,660,000. Losses occurred in government and construction, down 2,000 and 1,000, respectively. All other nonmanufacturing divisions were unchanged from February.

Over the Year. The seasonally adjusted unemployment rate in Ohio fell from 7.4 percent in March 1988 to 5.2 percent in March 1989. Nationally, the unemployment rate dropped from 5.6 percent to 5.0 percent during the same period. Total employment in Ohio increased 170,000 from March 1988, while the number of jobless workers declined 111,000. Nonfarm wage and salary employment was up 121,000 over the year. Services increased 41,000 and retail trade added 32,000 employees. A gain of 15,000 in durable-goods industries helped boost manufacturing employment 18,000. Construction and wholesale trade also had noteworthy advances in employment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of \$524.67 in March, little changed from February. Their average workweek of 42.9 hours was fractionally shorter. Earnings increases in most industries, especially motor vehicles and equipment and nonelectrical machinery, were overshadowed by declines in chemicals and allied products and rubber and miscellaneous plastics products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law, at 45,146 in March, were down 2.0 percent from February and down 3.5 percent from March 1988. Total benefits paid rose 19.1 percent over the month, to \$76.4 million. The average benefit check of \$161.94 was \$.90 higher. The average weekly number of benefit recipients, at 103,011, was up .9 percent from February. At the end of March, there were 203,244 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services helped 43,939 new job applicants in March, up 10.3 percent from February and up 7.9 percent from March 1988. The number of job openings from employers rose 33.1 percent, to 12,510. The Employment Services Division made 29,147 job referrals and 5,762 placements.

Ohio has become a Wage Recording State

Ohio's system of payroll reporting is changing significantly as a result of congressional action taken in 1984. The Social Security Act was amended to require states to establish a system to crossmatch income eligibility data and to collect individual employee wage data from their employers. In Ohio, the Unemployment Compensation Law was changed to meet the congressional mandate and, simultaneously, to convert from a wage request system to a wage reporting system for unemployment compensation purposes. Under this system, OBES will collect wage data for all employees on a quarterly basis instead of requesting wage information when an application for benefits is filed.

Some of the benefits of the Wage Record System are:

- streamlining of the claims processing procedure;
- revealing of unreported employment; and
- reduction in the number of UC appeals.

For more information about the Wage Record System, contact OBES on the Wage Record Hotline (1-800-654-8098).

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	March 1989	February 1989	March 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,428	5,432	5,369	-4	59	-0.1	1.1
Employment	5,144	5,152	4,974	-8	170	-0.2	3.4
Unemployment	284	280	395	4	-111	1.4	-28.1
Unemployment Rate	5.2	5.2	7.4				
Employer Survey Data^e							
Total	4,774	4,772	4,653	3	121	0.1	2.6
Manufacturing	1,115	1,118	1,097	-3	18	-0.3	1.7
Durable Goods	752	754	737	-2	15	-0.3	2.0
Nondurable Goods	363	364	360	-1	3	-0.2	1.0
Nonmanufacturing	3,660	3,654	3,557	6	103	0.2	2.9
Mining	19	19	19	0	0	0.5	-0.5
Construction	196	197	185	-1	11	-0.4	6.1
Transportation and Public Utilities	214	213	211	0	3	0.2	1.5
Wholesale Trade	260	260	252	0	8	0.2	3.4
Retail Trade	903	899	872	5	32	0.5	3.6
Finance, Insurance, and Real Estate	254	254	248	0	5	0.0	2.2
Services	1,119	1,116	1,078	2	41	0.2	3.8
Government	695	696	692	-2	2	-0.2	0.3
Goods Producing Industries ^f	1,330	1,334	1,301	-4	29	-0.3	2.3
Service Producing Industries ^g	3,444	3,438	3,353	6	92	0.2	2.7

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers.

^cPercentages are computed from unrounded numbers.

^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

^fIncludes Mining, Construction, and Manufacturing.

^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
5,220	4,837	383	7.3	6.5
5,237	4,856	381	7.3	6.3
5,290	4,897	393	7.4	6.3
5,261	4,885	376	7.1	6.1
5,272	4,895	377	7.2	6.0
5,242	4,877	365	7.0	6.0
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0

Ohio Nonagricultural Wage and Salary Employment (in thousands)

	Total Nonagricultural Employment			
	Manufacturing Employment			
		Durable	Nondurable	
1987				
March	4,549	1,094	737	357
April	4,552	1,096	739	357
May	4,563	1,096	738	358
June	4,568	1,093	736	357
July	4,576	1,091	732	359
August	4,588	1,098	739	359
September	4,596	1,101	743	358
October	4,617	1,105	745	360
November	4,631	1,106	746	360
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,644	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	360
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,772	1,118	754	364
March	4,774	1,115	752	363

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,455	21	174	206	246	1987				
3,456	21	173	206	246	March	844	241	1037	686
3,467	21	174	207	247	April	841	242	1040	687
3,475	21	176	207	247	May	844	243	1043	688
3,484	20	178	209	248	June	845	244	1048	688
3,490	21	176	209	248	July	847	244	1053	685
3,495	20	177	209	249	August	849	245	1055	687
3,512	21	178	209	251	September	850	246	1059	685
3,525	21	180	210	251	October	856	247	1062	688
3,540	21	183	210	252	November	860	247	1067	691
					December	863	248	1073	691
3,533	20	181	210	251	1988				
3,542	20	182	210	251	January	865	247	1068	691
3,557	19	185	211	252	February	868	247	1073	690
3,555	20	183	211	252	March	872	248	1078	692
3,561	19	182	211	253	April	870	249	1079	691
3,569	19	182	211	254	May	871	249	1083	692
3,575	19	182	212	255	June	874	249	1087	692
3,581	20	183	212	256	July	876	250	1089	692
3,589	19	184	212	256	August	878	251	1093	689
3,599	19	184	212	257	September	880	251	1095	691
3,611	19	186	213	258	October	884	252	1097	693
3,622	19	188	213	258	November	887	252	1102	694
					December	889	252	1108	693
3,642	19	196	213	259	1989				
3,654	19	197	213	260	January	896	253	1112	693
3,660	19	196	214	260	February	899	254	1116	696
					March	903	254	1119	695

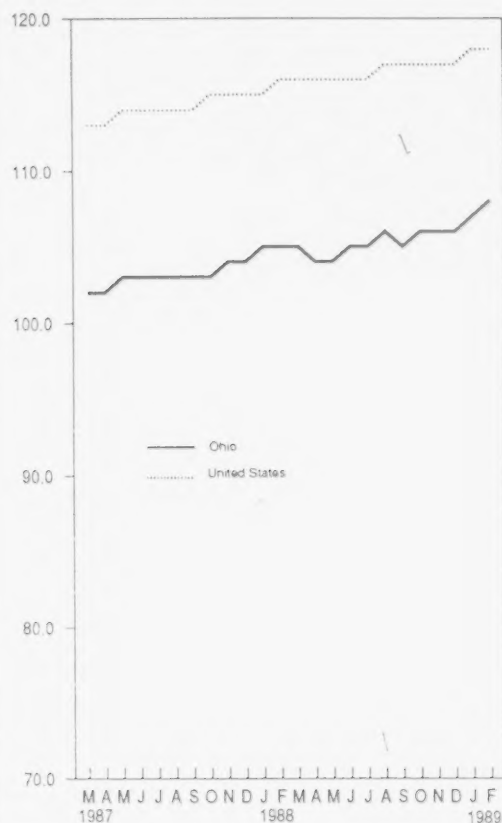
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Labor Market Review.

Indexes of Total Employment

Ohio and U.S.

(Seasonally Adjusted)

Index (1979=100)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
1988				
5,316	4,898	418	7.9	5.9
5,281	4,964	317	6.0	5.3
5,269	4,966	303	5.8	5.4
5,353	5,028	325	6.1	5.5
5,366	5,093	274	5.1	5.5
5,376	5,076	301	5.6	5.4
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
1989				
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6
5,375	5,068	307	5.7	5.2

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
		Manufacturing Employment	
		Durable	Nondurable
4,394.9	1,377.2	974.5	402.7
4,484.8	1,382.3	960.5	401.8
4,367.4	1,264.3	882.6	381.8
4,317.7	1,232.6	860.4	372.2
4,124.3	1,099.9	752.4	347.5
4,092.5	1,066.0	723.6	342.4
4,260.2	1,127.0	773.4	353.6
4,372.9	1,124.3	768.7	355.5
4,471.4	1,109.8	752.7	357.1
4,582.6	1,098.9	740.4	358.4
4,683.0	1,103.1	743.6	359.6
1988			
4,586.2	1,089.6	733.9	355.8
4,642.7	1,098.5	741.8	356.7
4,692.3	1,100.5	743.2	357.3
4,715.4	1,107.6	746.9	360.7
4,678.8	1,100.8	741.5	359.4
4,679.1	1,102.1	740.5	361.6
4,731.7	1,110.5	745.6	364.9
4,757.7	1,110.3	747.8	362.5
4,834.7	1,115.7	753.3	362.3
4,781.8	1,115.1	752.5	362.6
1989			
4,669.0	1,112.2	751.4	360.8
4,671.4	1,107.3	747.9	359.4
4,705.1	1,107.7	748.5	359.2

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.5	211.5	254.3	876.5	249.8	1,087.8	696.8
1988								
3,496.6	18.8	159.8	206.6	249.8	845.7	246.1	1,061.5	708.3
3,544.3	19.1	172.1	209.4	251.6	859.6	247.5	1,079.8	705.2
3,591.8	19.2	182.8	211.5	253.5	873.2	249.0	1,092.8	709.9
3,607.8	19.6	191.2	213.1	255.8	879.7	251.4	1,104.1	692.9
3,578.0	19.8	199.5	213.4	256.1	881.1	252.8	1,103.1	652.2
3,577.0	19.8	202.5	213.9	256.3	886.2	253.3	1,104.7	640.3
3,621.2	19.8	202.0	214.8	256.5	888.2	251.8	1,109.8	678.3
3,647.4	19.8	203.0	215.0	258.4	891.8	252.1	1,105.1	702.2
3,719.0	19.7	197.4	214.7	258.5	906.0	252.1	1,102.1	768.5
3,666.6	19.5	188.0	215.3	259.1	921.4	252.4	1,101.0	710.0
1989								
3,556.9	18.9	167.0	208.7	256.9	877.0	250.3	1,083.4	694.5
3,564.1	18.6	162.2	208.5	256.9	867.2	250.8	1,091.8	708.0
3,597.3	18.7	169.8	209.8	258.2	876.3	251.4	1,101.8	711.3

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,089.6	733.9	355.8
1,098.5	741.8	356.7
1,100.5	743.2	357.3
1,107.6	746.9	360.7
1,100.8	741.5	359.4
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,107.7	748.5	359.2

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
985.5	\$302.5	81.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
759.1	391.7	32.6
747.6	380.2	31.9
755.3	390.4	32.5
757.3	391.1	32.6
762.4	397.8	33.0
754.9	379.4	31.9
756.7	382.1	32.1
765.9	399.6	33.2
765.5	400.4	33.1
771.1	410.1	33.7
770.1	411.5	33.7
766.2	404.1	33.1
762.0	400.1	32.8
761.6	399.6	32.7

Production Worker Average Weekly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$306.91	\$316.83	\$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
508.56	530.56	460.74
516.86	538.22	465.89
516.43	540.27	460.90
521.77	547.87	464.62
502.52	521.85	461.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
524.67	550.67	465.75

Production Worker Average Weekly Hours

Manu- facturing	Durable Goods	Nondurable Goods
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
42.7	43.1	42.0
43.0	43.3	42.2
43.0	43.5	41.9
43.3	43.9	42.2
42.3	42.6	41.8
42.4	42.7	41.8
43.3	43.7	42.5
43.3	43.7	42.3
43.7	44.2	42.6
43.8	44.2	42.9
43.2	43.7	42.1
43.0	43.5	41.9
42.9	43.6	41.4

Production Worker Average Hourly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$ 7.29	\$ 7.49	\$ 6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
12.00	12.41	11.03
11.91	12.31	10.97
12.02	12.43	11.04
12.01	12.42	11.00
12.05	12.48	11.01
11.88	12.25	11.04
11.91	12.30	11.01
12.05	12.48	11.05
12.08	12.51	11.06
12.17	12.62	11.09
12.20	12.62	11.18
12.21	12.61	11.22
12.21	12.59	11.28
12.23	12.63	11.25

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery, Except Electrical	Electric & Electronic Equipment	Transpor- tation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment (thousands)

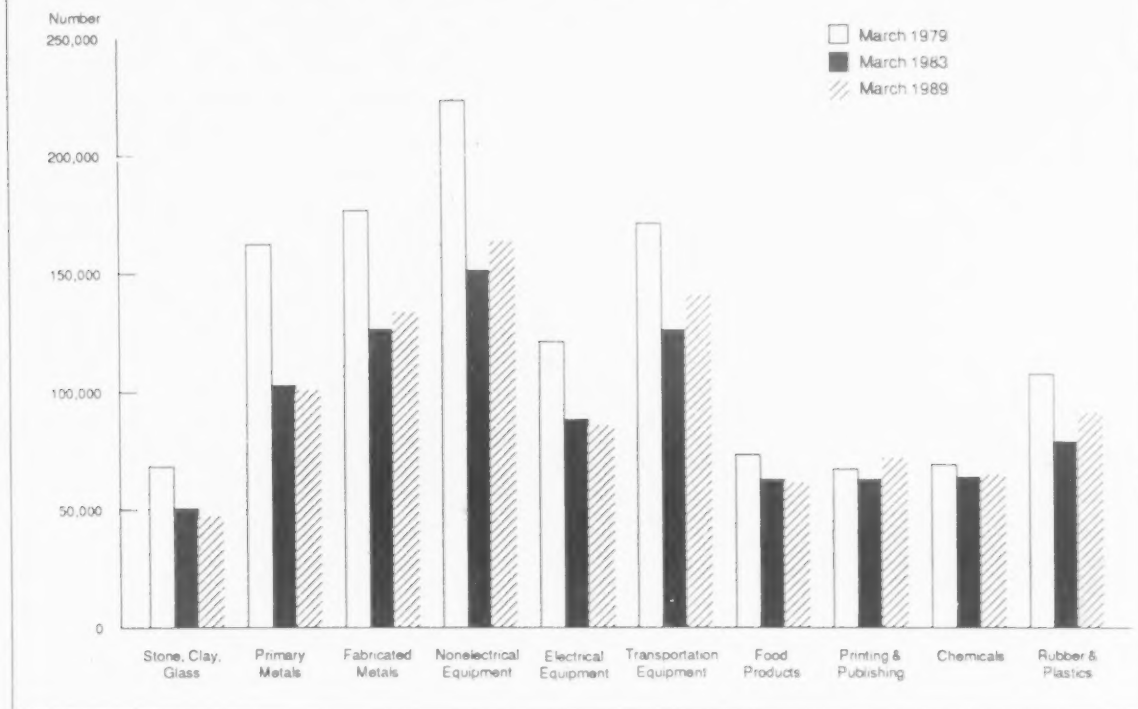
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
46.9	99.3	132.4	March	156.8	86.1	137.8	March	60.9	71.3	90.1
47.6	99.1	133.0	April	157.7	86.0	143.4	April	61.0	71.0	90.7
48.0	100.0	133.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.2	100.4	133.5	March	163.4	85.7	141.1	March	61.3	71.9	91.1

Average Weekly Earnings of Production Workers

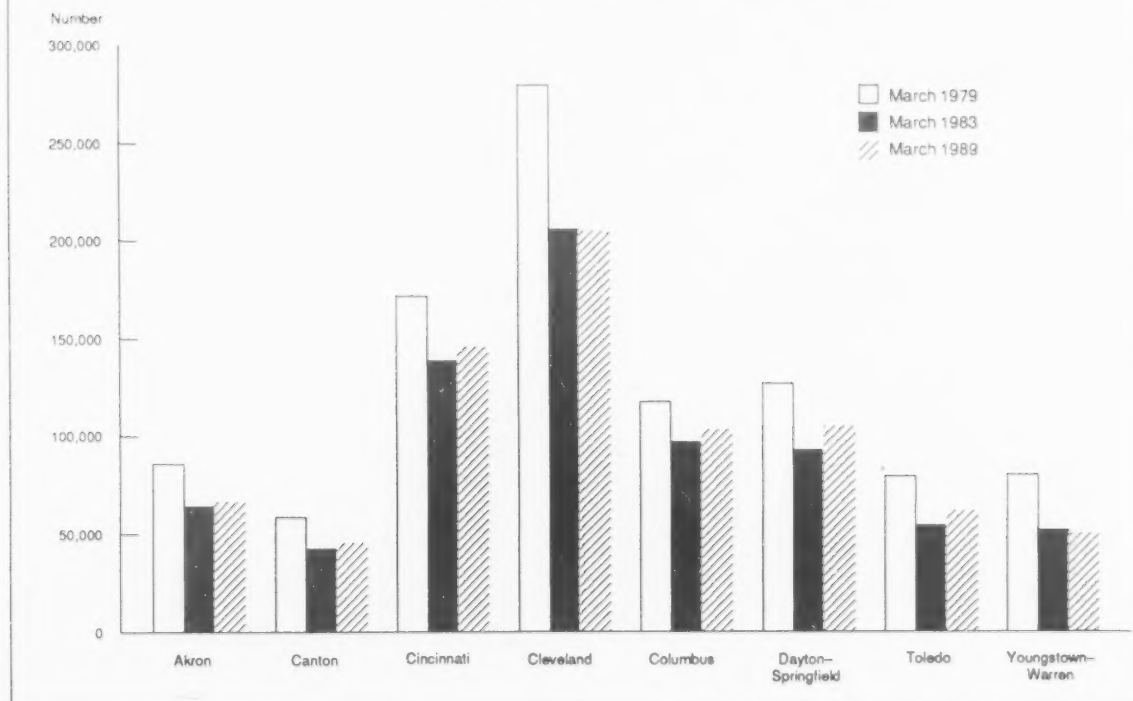
\$274.81	\$366.24	\$307.23	1978	\$306.16	\$268.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.09	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
461.25	622.67	512.83	March	546.66	470.25	723.49	March	441.32	455.86	440.79

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	4705.1	4671.4	4586.2	33.7	118.8
Manufacturing	1107.7	1107.3	1089.6	4	18.1
Durable Goods ^e	748.5	747.9	733.9	6	14.6
Lumber and wood products	22.8	22.5	20.5	3	2.3
Furniture and fixtures	15.1	15.3	15.1	-1	1
Stone, clay, and glass products	47.2	46.7	46.9	4	3
Glass and glassware, pressed or blown	8.9	8.7	8.7	2	2
Primary metal industries	100.4	100.7	99.3	-3	1.1
Blast furnace and basic steel products	45.4	45.5	45.7	-1	-3
Iron and steel foundries	20.2	20.2	19.4	-1	8
Nonferrous rolling and drawing	17.5	17.6	17.2	-1	3
Fabricated metal products	133.5	133.6	132.4	-2	1.1
Cutlery, hand tools, and hardware	10.0	10.1	9.9	-1	1
Fabricated structural metal products	28.0	28.0	28.2	0	-2
Metal forgings and stampings	40.8	41.1	41.3	-3	-5
Machinery, except electrical	163.4	163.1	156.8	3	6.5
Construction and related machinery	13.6	13.6	13.2	0	4
Metalworking machinery	42.6	42.4	41.0	2	1.6
Special industry machinery	18.4	18.3	16.6	1	1.7
General industrial machinery	28.9	28.9	28.1	0	9
Office and computing machines	12.4	12.5	13.2	-1	-8
Refrigeration and service machinery	16.1	16.2	15.9	0	2
Electric and electronic equipment	85.7	85.7	86.1	0	-4
Electrical industrial apparatus	17.7	17.6	16.6	1	1.1
Household appliances	15.4	15.4	15.6	-1	-3
Electric lighting and wiring equipment	17.3	17.3	17.2	0	1
Communication equipment	9.1	9.0	9.4	0	-4
Transportation equipment	141.1	141.0	137.8	1	3.3
Motor vehicles and equipment	96.1	95.9	95.7	2	4
Aircraft and parts	36.3	36.3	33.3	0	3.0
Instruments and related products	24.5	24.5	24.5	0	0
Measuring and controlling devices	13.3	13.3	13.6	0	-3
Nondurable Goods ^f	359.2	359.4	355.8	-2	3.5
Food and kindred products	61.3	61.1	60.9	2	4
Meat products	8.7	8.6	8.7	1	0
Dairy products	9.4	9.3	9.5	1	-1
Preserved fruits and vegetables	11.5	11.6	10.8	0	7
Bakery products	9.3	9.2	9.4	2	0
Beverages	8.8	8.8	9.0	0	-2
Apparel and other textile products	15.9	15.9	15.1	0	7
Paper and allied products	37.0	37.3	37.0	-3	0
Misc. converted paper products	12.0	12.1	11.8	-1	2
Paperboard containers and boxes	13.1	13.2	13.0	-1	0
Printing and publishing	71.9	71.8	71.3	1	6
Newspapers	18.8	18.9	18.8	-1	0
Commercial printing	28.3	28.2	28.0	2	4
Chemicals and allied products	64.9	64.8	64.1	1	9
Industrial inorganic chemicals	8.9	9.0	9.2	-1	-3
Rubber and misc. plastics products	91.1	91.3	90.1	-2	1.0
Tires and inner tubes	14.4	14.4	14.5	0	-1
Miscellaneous plastics products	56.4	56.5	55.6	-2	8

See footnotes on page 13.

Nonagricultural Wage and Salary Employment^a

Ohio (continued)

	Employment (in thousands)			Change ^d (in thousands)	
	Mar 1989 ^b	Feb 1989 ^c	Mar 1988 ^c	From Last Month	From Last Year
Nonmanufacturing	3597.3	3564.1	3496.6	33.2	100.7
Mining	18.7	18.6	18.8	1	-1
Bituminous coal and lignite mining	7.7	7.7	7.9	0	-2
Oil and gas extraction	6.5	6.6	6.6	-2	-1
Construction	169.8	162.2	159.8	7.6	10.0
General building contractors	43.8	42.7	41.7	1.1	2.0
Heavy construction contractors	18.3	16.1	17.3	2.1	1.0
Highway and street construction	5.2	4.4	5.2	.8	0
Special trade contractors	107.8	103.4	100.8	4.4	7.0
Transportation and Public Utilities	209.8	208.5	206.6	1.3	3.2
Railroad transportation	12.6	12.6	12.6	0	-2
Transportation, except railroads	109.9	108.7	105.5	1.2	4.4
Trucking and warehousing	75.1	74.2	73.1	.9	2.0
Communication, electric, gas services	87.3	87.2	86.3	1	-1.0
Communication	45.7	45.6	46.8	1	-1.1
Electric, gas, and sanitary services	41.6	41.6	41.4	0	1
Wholesale Trade	258.2	256.9	249.8	1.3	8.4
Wholesale trade-durable goods	163.5	162.8	158.4	.7	5.0
Motor vehicles & automotive equipment	22.9	22.8	22.2	0	.7
Electrical goods	18.4	18.3	18.5	1	-1
Machinery, equipment, and supplies	70.0	69.8	68.1	.2	2.0
Wholesale trade-nondurable goods	94.7	94.1	91.4	.6	3.4
Groceries and related products	30.2	29.9	29.3	.3	.9
Retail Trade	876.3	867.2	845.7	9.1	30.7
General merchandise stores	119.7	118.5	116.4	1.1	3.3
Department stores	102.2	101.4	100.1	.9	2.1
Food stores	142.1	142.1	135.3	.0	6.8
Automotive dealers & service stations	96.0	95.6	93.6	.4	2.4
Apparel and accessory stores	45.0	44.6	42.8	.3	2.2
Eating and drinking places	293.9	288.7	288.5	5.2	5.3
Finance, Insurance, and Real Estate	251.4	250.8	246.1	.6	5.3
Banking	64.3	64.2	63.2	.2	1.1
Credit agencies other than banks	38.2	38.2	37.9	.0	.3
Insurance carriers	70.0	70.0	69.4	.0	.6
Life insurance	25.9	25.9	25.7	-.1	.1
Fire, marine, and casualty insurance	31.0	30.9	30.8	1	.2
Services	1101.8	1091.8	1061.5	10.0	40.4
Hotels and other lodging places	35.4	34.9	34.1	.5	1.3
Personal services	59.7	59.1	57.8	.6	1.9
Laundry, cleaning, & garment services	18.8	18.6	18.3	.2	.5
Business services	230.0	227.3	214.2	2.7	15.8
Services to buildings	32.2	31.9	30.6	.3	1.6
Computer and data processing services	22.8	22.8	21.1	.0	1.7
Amusement and recreation services	30.2	28.0	31.3	2.2	-1.1
Health services	376.1	375.0	365.9	1.1	10.2
Nursing and personal care facilities	82.5	82.3	80.0	.2	2.5
Hospitals	184.2	184.0	181.3	.2	2.9
Educational services	68.1	68.1	66.2	-.1	1.9
Colleges and universities	38.2	38.5	36.8	-.3	1.4
Government	711.3	708.0	708.3	3.3	3.0
Federal government	94.9	94.8	94.6	.1	.4
State government	165.7	163.3	162.7	2.4	3.0
State government education	91.6	89.9	88.7	1.6	2.9
State government, except education	74.1	73.4	74.0	.7	.1
Local government	450.7	449.9	451.1	.8	-.4
Local government education	266.3	265.9	269.8	.4	-3.5
Local government, except education	184.4	184.0	181.3	.4	3.0

See footnotes on page 13.

Ohio

Hours and Earnings of Production or None supervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$524.67	\$525.03	\$508.56	42.9	43.0	42.7	\$12.23	\$12.21	\$11.91
Durable Goods ^d	550.67	547.67	530.58	43.6	43.5	43.1	12.63	12.59	12.31
Lumber and wood products	315.60	313.22	304.91	40.0	39.9	40.6	7.89	7.85	7.51
Furniture and fixtures	368.42	369.00	361.34	40.8	41.0	40.6	9.03	9.00	8.90
Stone, clay, and glass products	461.25	463.49	464.61	42.2	42.6	42.9	10.93	10.88	10.83
Glass and glassware, pressed or blown	492.69	492.26	490.79	42.4	42.4	42.2	11.62	11.61	11.63
Primary metal industries	622.67	619.89	611.88	44.7	44.5	44.5	13.93	13.93	13.75
Blast furnace and basic steel products	647.26	637.87	646.20	45.2	44.7	45.7	14.32	14.27	14.14
Iron and steel foundries	647.36	654.40	634.57	44.8	45.1	44.5	14.45	14.51	14.26
Nonferrous rolling and drawing	628.99	640.42	590.19	41.6	42.3	40.9	15.12	15.14	14.43
Fabricated metal products	512.83	512.40	509.41	42.7	42.7	42.7	12.01	12.00	11.93
Cutlery, hand tools, and hardware	495.20	493.92	474.61	40.0	39.8	40.6	12.38	12.41	11.69
Fabricated structural metal products	456.96	454.11	437.38	42.0	41.7	40.8	10.88	10.89	10.72
Metal forgings and stampings	637.81	633.28	638.13	44.2	44.1	44.5	14.43	14.36	14.34
Machinery, except electrical	546.66	543.22	518.52	44.3	44.2	43.5	12.34	12.29	11.92
Construction and related machinery	441.74	441.08	421.27	41.4	41.3	40.9	10.67	10.68	10.30
Metalworking machinery	521.20	525.87	497.20	44.7	45.1	44.0	11.66	11.66	11.30
Special industry machinery	520.95	513.79	491.55	45.3	44.6	43.5	11.50	11.52	11.30
General industrial machinery	575.97	569.77	530.19	43.9	44.1	43.0	13.12	12.92	12.33
Office and computing machines	437.89	445.32	423.11	39.7	40.3	41.4	11.03	11.05	10.22
Refrigeration and service machinery	630.39	622.94	608.90	44.3	43.9	43.4	14.23	14.19	14.03
Electric and electronic equipment	470.25	470.40	470.82	41.8	42.0	42.0	11.25	11.20	11.21
Electrical industrial apparatus	491.27	487.75	493.04	44.1	44.1	44.1	11.14	11.06	11.18
Household appliances	485.18	491.23	477.60	39.9	40.8	39.9	12.16	12.04	11.97
Electric lighting and wiring equipment	485.30	482.79	476.82	41.8	41.8	41.9	11.61	11.55	11.38
Communication equipment	509.22	489.98	488.80	42.9	40.9	41.6	11.87	11.98	11.75
Transportation equipment	723.49	714.48	663.00	46.2	45.8	44.2	15.66	15.60	15.00
Motor vehicles and equipment	754.42	742.43	688.86	46.8	46.2	44.5	16.12	16.07	15.48
Aircraft and parts	646.46	652.40	581.16	44.8	45.4	43.5	14.43	14.37	13.36
Instruments and related products	377.88	370.26	367.08	40.2	39.6	39.9	9.40	9.35	9.20
Measuring and controlling devices	373.97	362.33	367.46	39.2	38.1	39.3	9.54	9.51	9.35
Nondurable Goods ^d	465.75	472.63	460.74	41.4	41.9	42.0	11.25	11.28	10.97
Food and kindred products	441.32	440.18	445.12	41.4	41.1	41.6	10.66	10.71	10.70
Meat products	359.79	367.85	381.41	40.2	41.1	41.1	8.95	8.95	9.28
Dairy products	442.05	460.10	473.24	41.9	42.8	43.1	10.55	10.75	10.98
Preserved fruits and vegetables	495.86	484.14	441.29	42.6	41.7	39.9	11.64	11.61	11.06
Bakery products	468.07	460.98	464.90	39.6	39.0	39.6	11.82	11.82	11.74
Beverages	443.27	414.09	422.01	41.7	39.4	40.5	10.63	10.51	10.42
Apparel and other textile products	304.20	300.20	301.15	38.9	39.5	40.1	7.82	7.60	7.51
Paper and allied products	496.87	492.32	486.18	43.7	43.3	43.8	11.37	11.37	11.10
Misc. converted paper products	446.31	443.85	426.00	43.5	43.6	42.9	10.26	10.18	9.93
Paperboard containers and boxes	428.66	423.52	427.55	42.4	41.4	42.5	10.11	10.23	10.06
Printing and publishing	455.86	451.61	447.08	39.4	39.1	39.6	11.57	11.55	11.29
Newspapers	373.50	371.07	365.33	33.2	33.4	34.4	11.25	11.11	10.62
Commercial printing	458.18	448.44	460.24	40.8	40.4	41.5	11.23	11.10	11.09
Chemicals and allied products	567.74	584.98	546.54	42.4	43.3	42.4	13.39	13.51	12.89
Industrial inorganic chemicals	607.07	596.67	589.47	43.8	43.3	43.6	13.86	13.78	13.52
Rubber and misc. plastics products	440.79	451.93	440.41	41.9	43.0	42.8	10.52	10.51	10.29
Tires and inner tubes	665.56	666.44	676.91	44.4	44.4	46.3	14.99	15.01	14.62
Miscellaneous plastics products	427.20	443.23	421.03	41.8	43.2	42.4	10.22	10.26	9.93

See footnotes on page 13.

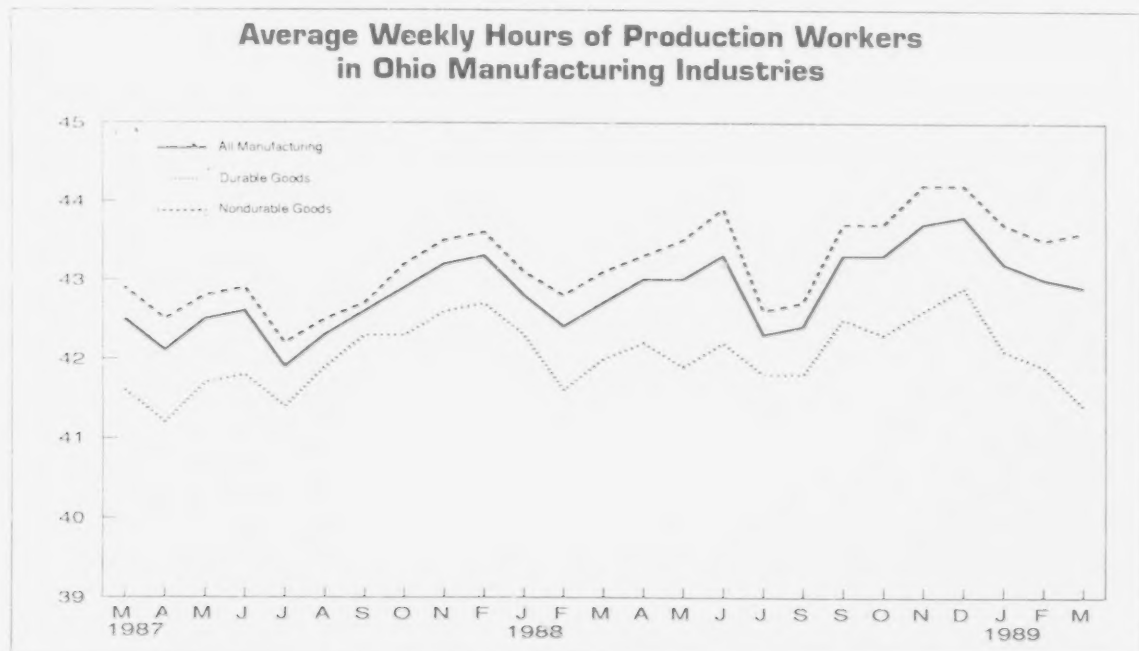
Ohio (continued)

Hours and Earnings of Production or Nonsupervisory Workers^a

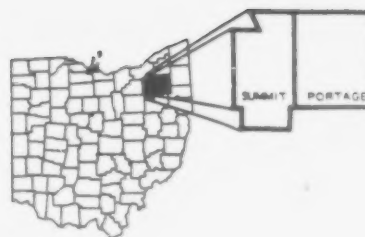
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Mining	\$573.31	\$553.35	\$538.04	43.4	42.5	42.6	\$13.21	\$13.02	\$12.63
Bituminous coal and lignite mining	708.71	696.36	662.54	42.9	42.8	42.8	16.52	16.27	15.48
Construction	597.41	558.37	559.85	39.2	37.2	37.7	15.24	15.01	14.85
Transportation and Public Utilities									
Communication, electric, gas services	567.62	561.19	564.67	40.4	40.2	40.8	14.05	13.96	13.84
Communication	533.32	532.73	537.30	39.1	39.2	39.8	13.64	13.59	13.50
Electric, gas, and sanitary services	607.13	593.07	596.24	41.9	41.3	41.9	14.49	14.36	14.23
Wholesale Trade	400.23	398.82	385.32	39.2	39.1	39.0	10.21	10.20	9.88
Wholesale trade-durable goods	389.78	390.22	378.88	38.9	39.1	39.1	10.02	9.98	9.69
Wholesale trade-nondurable goods	416.99	413.68	394.74	39.6	39.1	38.7	10.53	10.58	10.20
Retail Trade ^h	170.97	170.08	163.82	28.4	28.3	28.1	6.02	6.01	5.83
General merchandise stores	180.98	181.26	172.15	28.5	28.5	27.5	6.35	6.36	6.26
Department stores	185.40	186.62	176.64	28.7	28.8	27.6	6.46	6.48	6.40
Finance, Insurance, and Real Estate									
Banking	268.91	272.04	264.66						
Credit agencies other than banks	276.54	274.75	258.10						
Insurance carriers	390.56	391.42	368.03						
Services									
Health services									
Hospitals	344.91	346.29	337.62	32.6	32.7	33.1	10.58	10.59	10.20

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Akron metropolitan area increased 2,100 from February to 275,900 in March 1989. Moderate gains were recorded in construction, retail trade, services, and nonteaching personnel in state schools and colleges. Manufacturing employment dropped slightly to 66,200 due to less business in durable goods. Factory production workers averaged \$11.43 per hour, up \$.03 from February. Their average workweek of 42.6 hours was .2 hours longer.

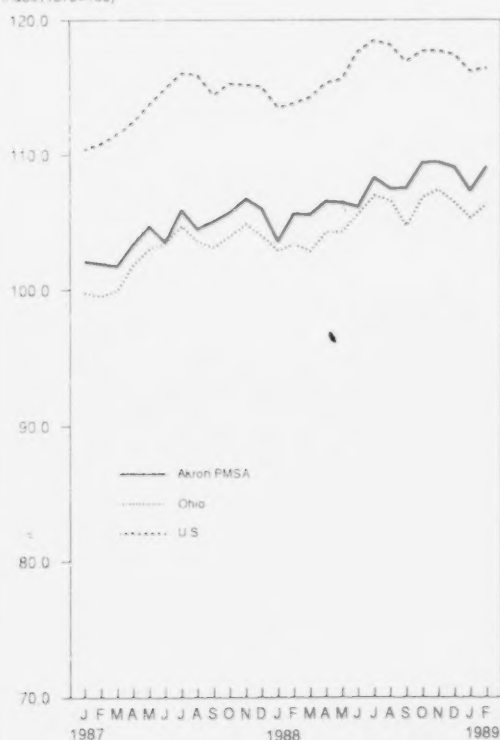
Total nonfarm wage and salary employment advanced 7,700 between March 1988 and March 1989. The improvement was concentrated in the nonmanufacturing sector. Leading growth industries were services, especially business services, and retail trade. The manufacturing workforce added 400 jobs over the year. Modest expansion in nonelectrical machinery and miscellaneous plastics products more than offset reductions in fabricated metal products and chemicals and allied products.

Indexes of Total Employment

Akron PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

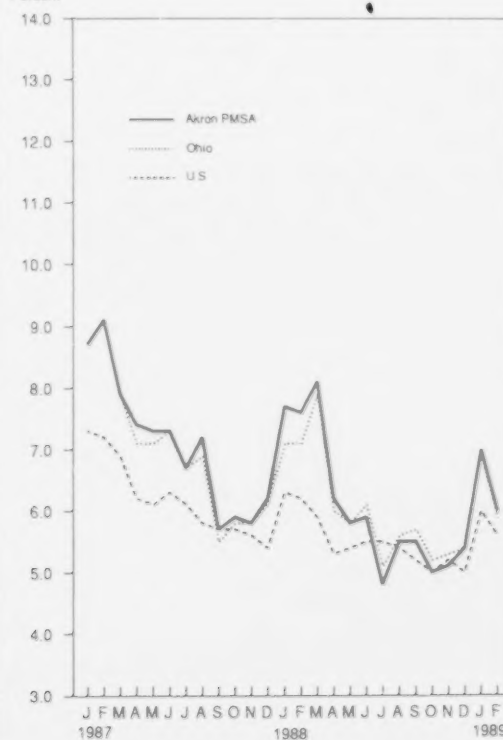


Unemployment Rates

Akron PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

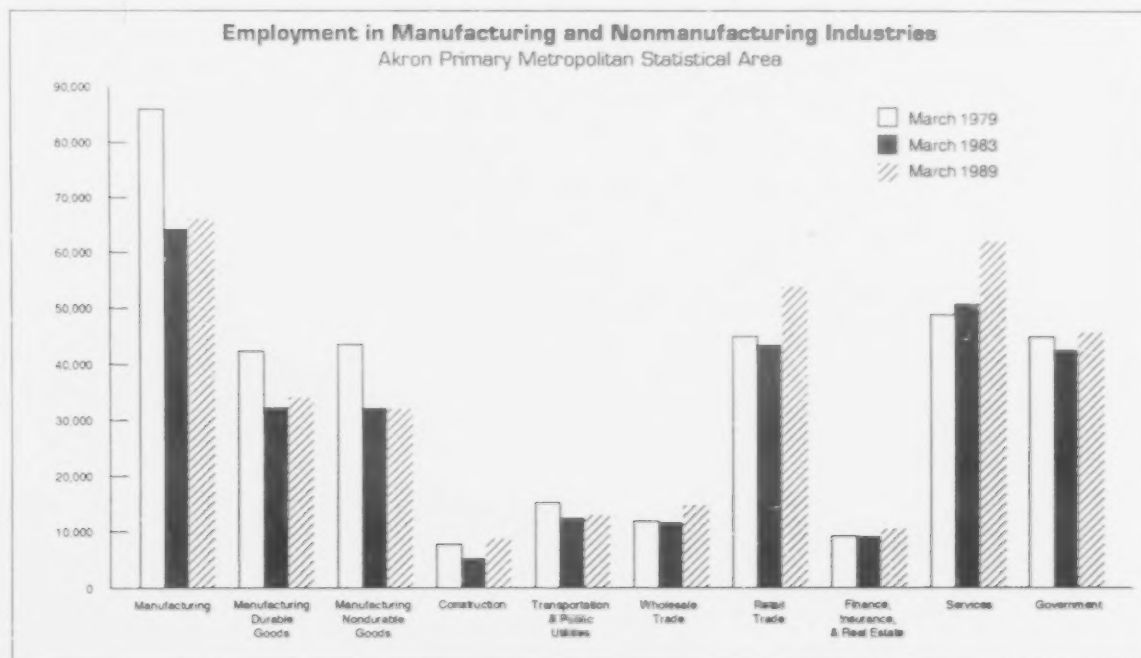
Percent



Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment		Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	\$304.14	42.3	\$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	351.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
326.0	301.4	24.6	7.6	February	264.7	65.0	36.6	488.05	43.0	11.35
327.8	301.2	26.6	8.1	March	268.3	65.7	37.3	495.07	43.2	11.46
324.0	304.0	19.9	6.2	April	270.8	65.9	37.3	512.60	43.7	11.73
322.4	303.8	18.6	5.8	May	273.8	65.8	37.6	504.88	43.3	11.66
322.0	302.9	19.1	5.9	June	270.4	66.4	38.0	518.62	44.1	11.76
324.5	309.1	15.5	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
332.3	312.3	20.0	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
INA	INA	INA	INA	March	275.9	66.2	38.6	486.92	42.6	11.43

INA - information not available



**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Feb. 1988 ^c	From Last Month	From Last Year
Total	275.9	273.8	268.3	2.1	7.7
Manufacturing	66.2	66.3	65.7	-.1	.4
Durable Goods ^e	34.2	34.3	34.1	-.1	.1
Fabricated metal products	11.0	10.9	11.2	.0	-.2
Machinery, except electrical	9.8	9.8	9.2	.0	.6
Metalworking machinery	3.4	3.4	3.2	.0	.2
Nondurable Goods ^f	32.0	32.0	31.7	.0	.3
Food and kindred products	2.8	2.8	2.8	.0	.0
Chemicals and allied products	3.5	3.5	3.7	.0	-.2
Rubber and misc. plastics products	19.3	19.3	19.0	.0	.3
Tires and inner tubes	10.1	10.1	10.4	.0	-.3
Nonmanufacturing ^g	209.8	207.6	202.5	2.2	7.2
Construction	8.7	8.3	8.0	.5	.7
Transportation and Public Utilities	13.0	12.9	12.7	.1	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	14.8	14.8	14.0	.0	.8
Retail Trade	54.0	53.4	51.8	.5	2.1
General merchandise stores	6.4	6.4	6.2	.0	.3
Finance, Insurance, and Real Estate	10.6	10.5	10.6	.1	.0
Banking	3.1	3.1	3.1	.0	.0
Services	62.2	61.7	59.4	.5	2.8
Business services	14.0	14.0	12.8	.1	1.3
Amusement and recreation services	2.8	2.6	2.5	.1	.2
Health services	20.4	20.4	19.8	.0	.6
Government	45.7	45.2	45.4	.5	.4
State government	16.9	16.6	16.7	.3	.2
State government education ^h	14.0	13.7	13.7	.3	.3
State government, except education	2.9	2.9	3.0	.0	-.1
Local government	26.2	26.0	26.2	.1	-.1
Local government education	15.2	15.1	14.9	.1	.3
Local government, except education	11.0	10.9	11.4	.1	-.4

Akron PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$486.92	\$483.36	\$495.07	42.6	42.4	43.2	\$11.43	\$11.40	\$11.46
Durable Goods ^e	512.43	504.08	510.07	43.5	42.9	43.3	11.78	11.75	11.78
Fabricated metal products	625.91	625.91	648.45	42.9	42.9	45.0	14.59	14.59	14.41
Machinery, except electrical	483.24	470.59	441.81	46.6	45.6	43.7	10.37	10.32	10.11
Metalworking machinery	506.23	519.83	459.24	46.7	47.3	44.5	10.84	10.99	10.32
Nondurable Goods ^f	454.84	456.04	471.90	41.5	41.8	42.9	10.96	10.91	11.00
Food and kindred products	417.79	410.44	462.03	40.8	40.2	42.9	10.24	10.21	10.77
Chemicals and allied products	515.58	497.59	525.25	42.4	41.5	44.4	12.16	11.99	11.83
Rubber and misc. plastics products	451.94	468.47	494.56	41.5	42.9	44.0	10.89	10.92	11.24
Tires and inner tubes	757.56	757.56	783.59	47.2	47.2	49.5	16.05	16.05	15.83
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	573.89	571.26	558.56	40.5	40.4	40.3	14.17	14.14	13.86
Wholesale Trade	352.45	338.37	349.00	37.1	36.7	38.1	9.50	9.22	9.16
Retail Trade ^h	208.33	207.05	194.02	32.2	32.1	30.7	6.47	6.45	6.32

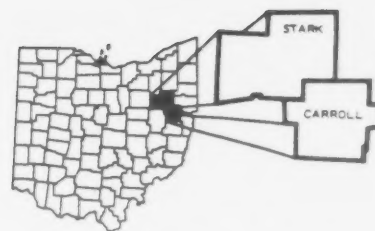
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	March 1989	February 1989	March 1988
Employment Service Program			
New Applicants	3,188	3,941	2,305
Active File of Job Seekers	18,938	18,169	18,206
Referrals to Jobs	2,601	2,685	1,093
Placements	686	172	147
Job Openings Received	951	399	660
Job Openings Unfilled	1,561	1,571	803
Unemployment Insurance Program			
Initial Claims	2,594	2,836	2,443
Continued Claims	33,945	30,097	37,517
First Payments	1,841	2,215	1,602
Last Payments	340	256	501
Weeks Compensated	32,214	26,706	33,765
Benefits Paid	\$5,008,274	\$4,126,090	\$5,277,154
Average Weekly Payment	\$160.44	\$160.36	\$159.10

CANTON METROPOLITAN STATISTICAL AREA



Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

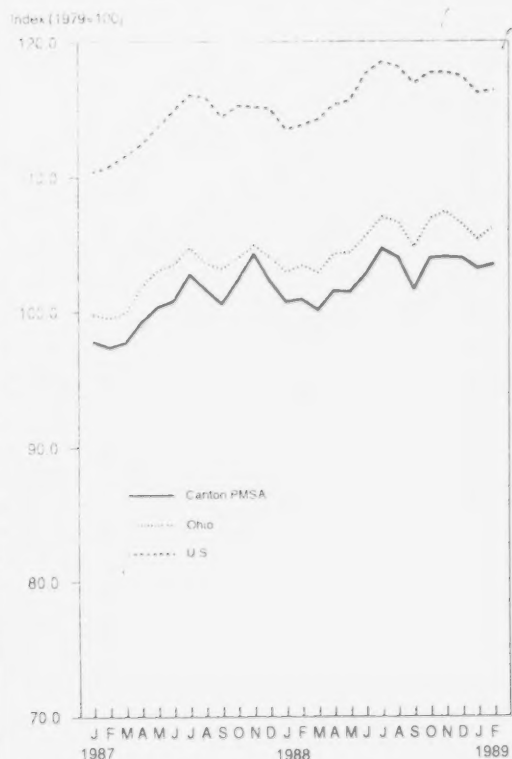
Nonagricultural wage and salary employment in the Canton metropolitan area totaled 159,800 in March 1989, increasing 700 from February. Seasonal gains in retail trade and construction accounted for the improvement. Manufacturing employment was unchanged over the month at 45,300. Factory production worker average hourly earnings were \$11.66, up \$.14 from February. Their average workweek of 42.6 hours was .1 hours shorter.

Total nonfarm payroll employment advanced 4,100 between March 1988 and March 1989. Nonmanufacturing employment increased 2.9 percent over the year. A major portion of the improvement occurred in retail trade (+1,200) and services (+1,100). Manufacturing employment increased 800 during the same period due to growth in primary metal industries. Employment in fabricated metal products declined.

Indexes of Total Employment

Canton MSA, Ohio and U.S.

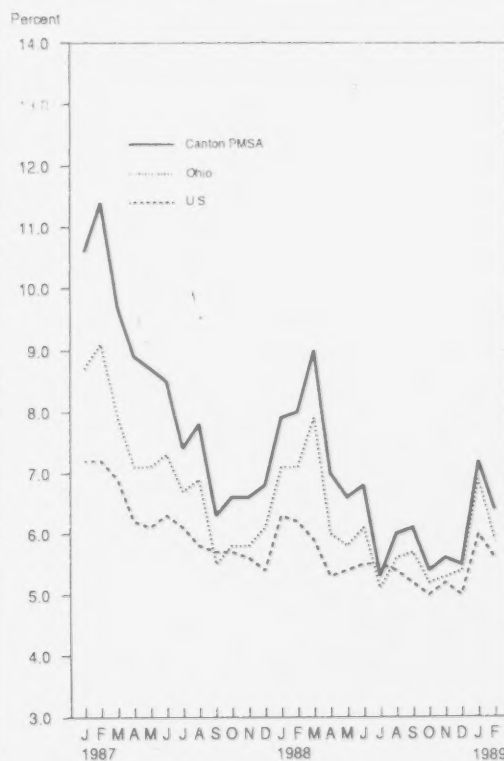
(Not Seasonally Adjusted)



Unemployment Rates

Canton MSA, Ohio and U.S.

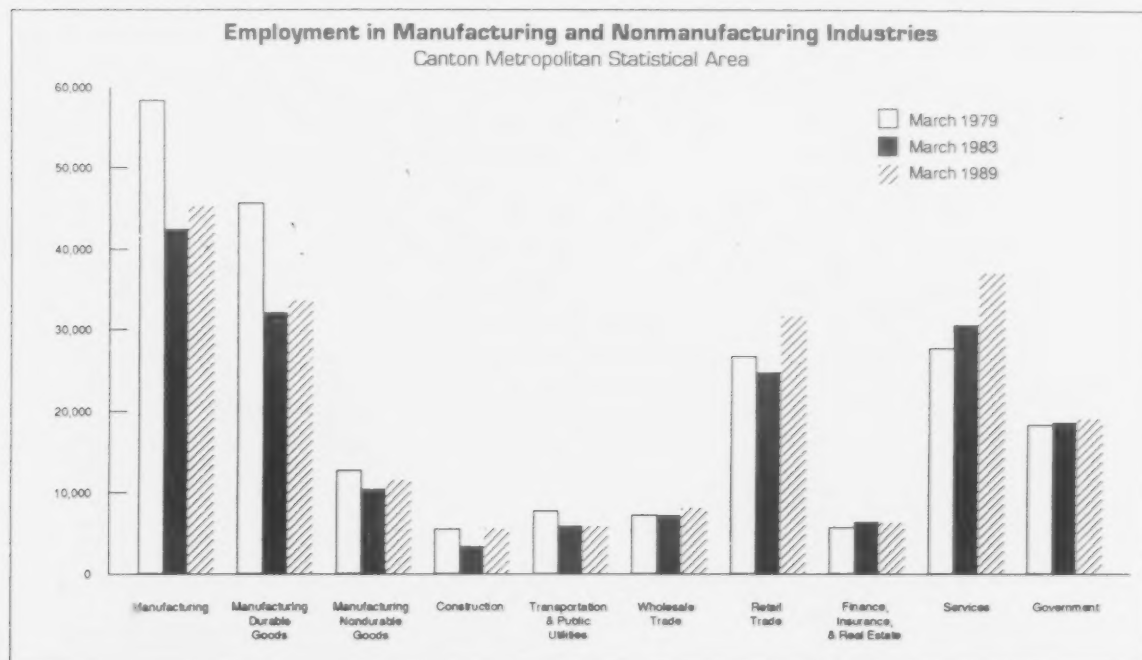
(Not Seasonally Adjusted)



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate					Manufacturing Production Workers		
									Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	\$304.67	40.3	\$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
190.3	175.2	15.1	7.9	February	154.7	44.3	31.6	493.06	43.1	11.44
191.0	173.9	17.2	9.0	March	155.7	44.4	32.0	488.48	43.0	11.36
189.5	176.3	13.2	7.0	April	157.9	44.4	31.5	493.34	43.2	11.42
188.7	176.2	12.5	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.3	179.9	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
INA	INA	INA	INA	March	159.8	45.3	32.4	496.72	42.6	11.66

INA - information not available



Canton MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	159.8	159.1	155.7	.7	4.1
Manufacturing	45.3	45.3	44.4	.0	.8
Durable Goods ^e	33.7	33.6	33.1	.1	.7
Primary metal industries	11.6	11.5	11.0	.1	.6
Fabricated metal products	6.6	6.7	6.7	-.1	-.1
Metal forgings and stampings	2.2	2.3	2.1	-.1	.1
Nondurable Goods ^f	11.6	11.7	11.4	-.1	.2
Food and kindred products	3.1	3.1	3.1	.0	.0
Rubber and misc. plastics products	3.1	3.1	2.9	.0	.1
Nonmanufacturing^g	114.5	113.8	111.2	.7	3.3
Construction	5.6	5.2	4.9	.3	.6
Transportation and Public Utilities	5.8	5.8	5.5	.0	.4
Communication, electric, gas services	2.7	2.7	2.5	.0	.2
Wholesale Trade	8.0	8.0	7.9	.0	.1
Wholesale trade-durable goods	4.5	4.4	4.3	.0	.1
Retail Trade	31.8	31.4	30.6	.4	1.2
General merchandise stores	4.0	3.9	3.7	.1	.2
Food stores	5.6	5.6	5.2	.0	.4
Finance, Insurance, and Real Estate	6.3	6.2	6.3	.0	-.1
Banking	1.8	1.8	1.8	.0	.0
Services	37.1	36.8	36.0	.2	1.1
Health services	15.2	15.2	15.1	.0	.1
Government	19.1	19.4	19.1	-.3	.0
State government (includes education)	1.7	1.7	1.8	.0	-.1
Local government	16.0	16.3	16.0	-.3	.1
Local government education	9.8	9.9	9.8	-.1	.0
Local government, except education	6.2	6.4	6.1	-.2	.1

Canton MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$496.72	\$491.90	\$488.48	42.6	42.7	43.0	\$11.66	\$11.52	\$11.36
Durable Goods ^e	529.83	526.04	509.08	43.5	43.8	43.4	12.18	12.01	11.73
Primary metal industries	605.29	612.18	607.36	46.1	47.2	46.9	13.13	12.97	12.95
Fabricated metal products	497.03	498.53	435.30	42.3	42.5	41.3	11.75	11.73	10.54
Metal forgings and stampings	573.09	584.64	599.46	41.2	42.0	41.2	13.91	13.92	14.55
Nondurable Goods ^f	392.03	386.12	424.03	39.8	39.4	41.9	9.85	9.80	10.12
Food and kindred products	399.99	397.94	441.60	39.1	39.4	40.0	10.23	10.10	11.04
Rubber and misc. plastics products	401.06	406.69	428.28	40.8	42.1	41.5	9.83	9.66	10.32
Transportation and Public Utilities	551.83	554.61	540.29	39.7	39.7	40.2	13.90	13.97	13.44
Communication, electric, gas services	551.83	554.61	540.29	39.7	39.7	40.2	13.90	13.97	13.44
Wholesale Trade	390.37	391.58	375.12	37.9	37.3	38.2	10.30	10.23	9.82
Retail Trade ^h	164.16	162.16	157.07	28.8	28.6	28.3	5.70	5.67	5.55

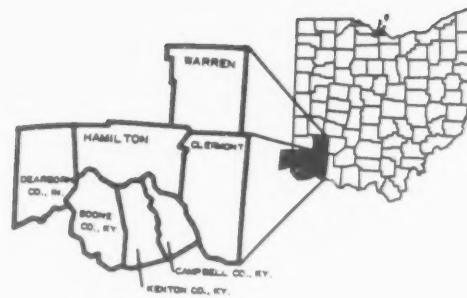
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

	March 1989	February 1989	March 1988
Employment Service Program			
New Applicants	1,459	1,181	1,645
Active File of Job Seekers	11,994	12,170	12,717
Referrals to Jobs	1,017	458	702
Placements	216	79	131
Job Openings Received	465	339	506
Job Openings Unfilled	1,023	1,288	612
Unemployment Insurance Program			
Initial Claims	2,899	1,863	2,225
Continued Claims	20,532	16,268	24,224
First Payments	1,328	1,327	1,208
Last Payments	233	168	227
Weeks Compensated	17,798	14,596	18,868
Benefits Paid	\$2,700,987	\$2,169,068	\$2,758,982
Average Weekly Payment	\$155.62	\$151.98	\$149.74

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Cincinnati metropolitan area reached 711,000 in March, an improvement of 6,700 over February. Seasonal increases in services, construction, and retail trade accounted for most of the change. Manufacturing employment rose 200 over the month due to scattered increases among producers of durable goods. Factory production workers averaged \$11.46 per hour for a workweek of 42.3 hours, down \$.01 and .7 hours, respectively.

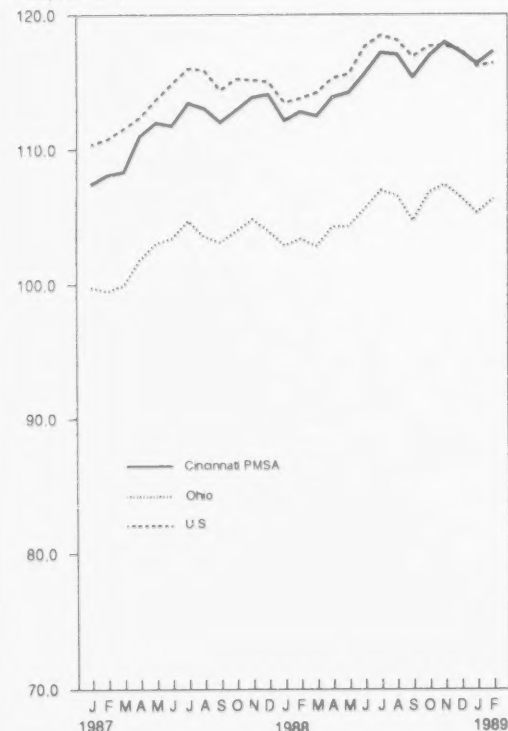
Total nonfarm wage and salary employment advanced 31,600 between March 1988 and March 1989. Most of the gain occurred in services, especially business services, and retail trade. Noteworthy increases were also reported in construction and transportation and public utilities. An over-the-year improvement in transportation equipment helped boost manufacturing employment 7,000. Positive changes were also noted in nonelectrical machinery and in electric and electronic equipment.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

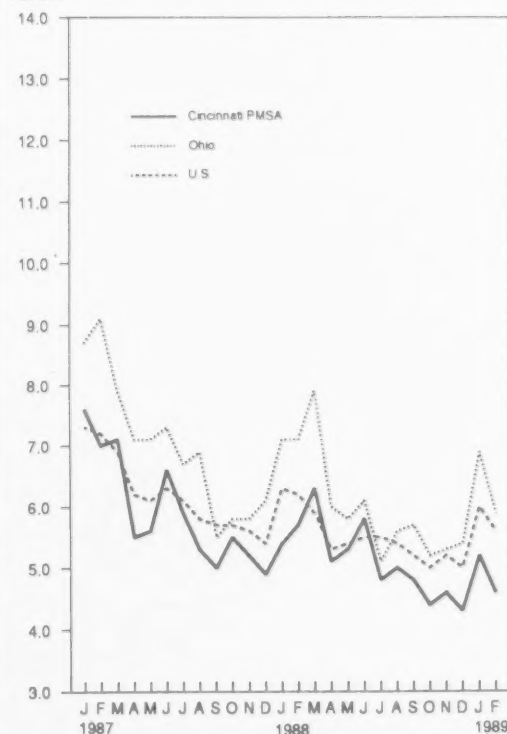


Unemployment Rates

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

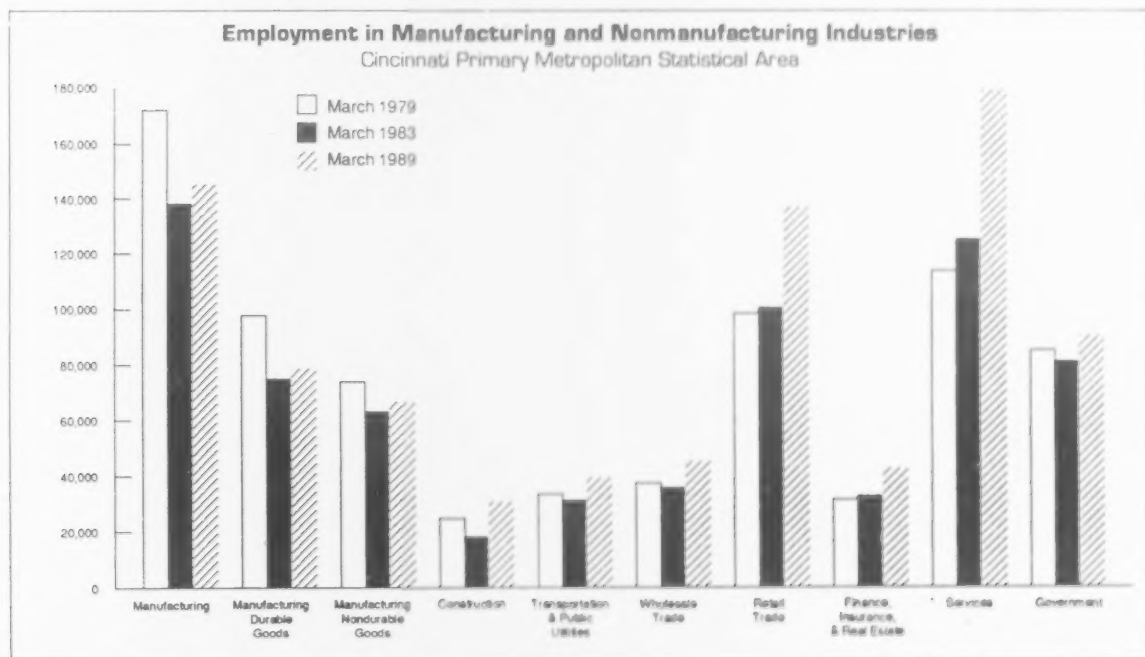
Percent



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate		Hours & Earnings					
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
1988										
751.1	708.5	42.6	5.7	February	676.6	144.8	92.5	466.47	42.1	11.08
754.1	706.6	47.6	6.3	March	679.5	138.3	86.3	453.60	42.0	10.80
753.7	715.3	38.4	5.1	April	694.4	144.3	92.0	462.42	42.0	11.01
757.6	717.2	40.4	5.3	May	700.1	143.7	91.4	465.63	42.1	11.06
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
1989										
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.0	735.9	35.1	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
INA	INA	INA	INA	March	711.0	145.3	91.4	484.76	42.3	11.46

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	711.0	704.3	679.5	6.7	31.6
Manufacturing	145.3	145.1	138.3	.2	7.0
Durable Goods ^e	78.7	78.5	72.0	.3	6.7
Fabricated metal products	10.9	10.8	10.8	.0	.1
Fabricated structural metal products	3.7	3.7	4.0	.0	-.3
Machinery, except electrical	21.2	21.1	20.6	.1	.6
Metalworking machinery	8.7	8.6	8.6	.0	.1
General industrial machinery	3.1	3.1	3.0	.0	.2
Electric and electronic equipment	8.9	8.9	8.4	.0	.5
Transportation equipment	23.2	23.2	18.1 ⁱ	.0	5.1
Motor vehicles and equipment	5.0	5.1	4.9	-.1	.2
Nondurable Goods ^f	66.5	66.6	66.3	-.1	.2
Food and kindred products	12.9	12.8	12.4	.1	.6
Beverages	3.5	3.5	3.3	.0	.2
Apparel and other textile products	3.6	3.6	3.6	.1	.1
Paper and allied products	6.0	6.0	6.0	.0	-.1
Printing and publishing	13.4	13.5	13.5	.0	.0
Commercial printing	6.2	6.2	6.2	.0	.0
Chemicals and allied products	22.6	22.6	22.5	-.1	.1
Rubber and misc. plastics products	5.9	6.0	6.1	-.1	-.2
Nonmanufacturing ^g	565.8	559.3	541.2	6.5	24.6
Construction	31.0	29.4	28.1	1.5	2.8
Transportation and Public Utilities	39.4	39.2	37.1	.2	2.3
Trucking and warehousing	11.1	10.9	10.1	.1	1.0
Communication, electric, gas services	15.5	15.5	15.4	.0	.1
Wholesale Trade	45.4	45.2	43.9	.2	1.5
Wholesale trade-durable goods	26.7	26.6	25.7	.1	1.0
Retail Trade	137.1	135.6	130.0	1.5	7.0
General merchandise stores	20.1	19.7	19.2	.4	.9
Finance, Insurance, and Real Estate	42.6	42.5	41.4	.1	1.2
Banking	9.3	9.3	8.9	.1	.5
Insurance carriers	14.4	14.4	14.4	.0	.0
Services	179.1	176.2	171.0	2.9	8.1
Hotels and other lodging places	7.3	7.2	6.9	.1	.4
Personal services	9.7	9.5	9.0	.1	.6
Business services	45.0	44.5	40.8	.5	4.2
Amusement and recreation services	6.9	6.0	7.5	.9	-.6
Health services	54.9	54.5	53.2	.4	1.6
Hospitals	26.1	26.0	25.4	.1	.7
Government	90.9	90.7	89.2	.2	1.7
Federal government	16.0	15.8	15.8	.2	.2
State government	21.2	21.2	20.5	.1	.8
State government education	13.5	13.3	12.8	.1	.7
State government, except education	7.8	7.8	7.7	.0	.1
Local government	53.7	53.8	53.0	-.1	.7
Local government education	30.8	31.0	30.9	-.2	-.1
Local government, except education	22.9	22.8	22.1	.1	.8

Cincinnati PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$484.76	\$493.21	\$453.60	42.3	43.0	42.0	\$11.46	\$11.47	\$10.80
Durable Goods ^e	490.63	493.19	431.18	43.0	43.3	41.7	11.41	11.39	10.34
Fabricated metal products	422.26	432.23	396.66	42.1	42.5	40.6	10.03	10.17	9.77
Fabricated structural metal products	475.20	475.89	385.13	44.0	43.7	39.5	10.80	10.89	9.75
Machinery, except electrical	433.86	433.15	421.68	42.0	42.3	42.0	10.33	10.24	10.04
Metalworking machinery	494.60	497.51	493.55	44.2	44.5	43.6	11.19	11.18	11.32
General industrial machinery	409.77	425.57	388.58	41.1	42.9	42.1	9.97	9.92	9.23
Electric and electronic equipment	367.11	359.20	333.32	40.7	40.0	39.4	9.02	8.98	8.46
Transportation equipment	790.48	786.14	757.25	48.2	48.2	46.6	16.40	16.31	16.25
Motor vehicles and equipment	887.54	884.49	807.59	50.4	50.6	47.9	17.61	17.48	16.86
Nondurable Goods ^f	479.97	492.46	472.49	41.7	42.6	42.3	11.51	11.56	11.17
Food and kindred products	463.90	469.17	489.72	40.8	41.3	42.0	11.37	11.36	11.66
Beverages	503.71	499.49	519.98	40.2	39.8	41.9	12.53	12.55	12.41
Apparel and other textile products	229.67	235.01	231.42	37.9	39.3	39.9	6.06	5.98	5.80
Paper and allied products	456.66	454.96	413.55	43.0	42.8	41.9	10.62	10.63	9.87
Printing and publishing	472.28	462.58	487.14	40.4	40.4	41.6	11.69	11.45	11.71
Commercial printing	525.82	505.18	540.45	43.6	43.4	45.0	12.06	11.64	12.01
Chemicals and allied products	578.00	614.94	553.37	42.5	44.4	42.6	13.60	13.85	12.99
Rubber and misc. plastics products	424.20	433.62	403.74	44.7	45.5	43.6	9.49	9.53	9.26
Transportation and Public Utilities	575.05	567.00	546.96	40.9	40.5	40.1	14.06	14.00	13.64
Communication, electric, gas services	575.05	567.00	546.96	40.9	40.5	40.1	14.06	14.00	13.64
Wholesale Trade	427.04	424.77	402.52	41.5	41.2	40.7	10.29	10.31	9.89
Retail Trade ^h	165.76	167.56	164.42	28.0	28.4	29.1	5.92	5.90	5.65
Finance, Insurance, and Real Estate	261.77	263.93	260.29	28.0	28.4	29.1	5.92	5.90	5.65
Banking	261.77	263.93	260.29	28.0	28.4	29.1	5.92	5.90	5.65

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education.

^jDepressed due to labor-management disputes.

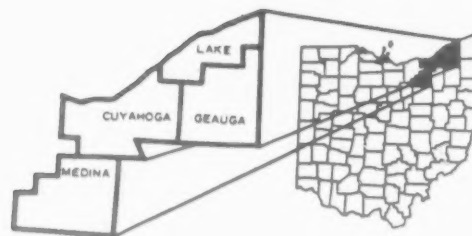
Selected Administrative Program Activities^a

Cincinnati PMSA

	March 1989	February 1989	March 1988
Employment Service Program			
New Applicants	2,688	3,306	2,506
Active File of Job Seekers	17,578	18,085	23,231
Referrals to Jobs	1,776	2,165	1,601
Placements	390	715	214
Job Openings Received	1,060	1,383	1,349
Job Openings Unfilled	1,715	1,858	2,174
Unemployment Insurance Program			
Initial Claims	3,702	3,958	4,123
Continued Claims	45,758	40,474	57,308
First Payments	3,106	3,425	3,221
Last Payments	554	472	1,960
Weeks Compensated	42,848	34,801	52,563
Benefits Paid	\$6,803,599	\$5,487,111	\$8,328,146
Average Weekly Payment	\$163.51	\$162.65	\$160.70

^a Ohio data only

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Cleveland metropolitan area rose 6,000 from February 1989 to 909,000 in March 1989. Nonmanufacturing employment increased 5,800, due largely to seasonal increases in services, retail trade, and construction. Employment in local government also went up during the period. In manufacturing, scattered improvements in durable and nondurable goods lifted the total 400 to 205,000 in March. Factory production workers earned \$11.99 per hour in March, down fractionally from February. Their average workweek, at 43.4 hours, was unchanged.

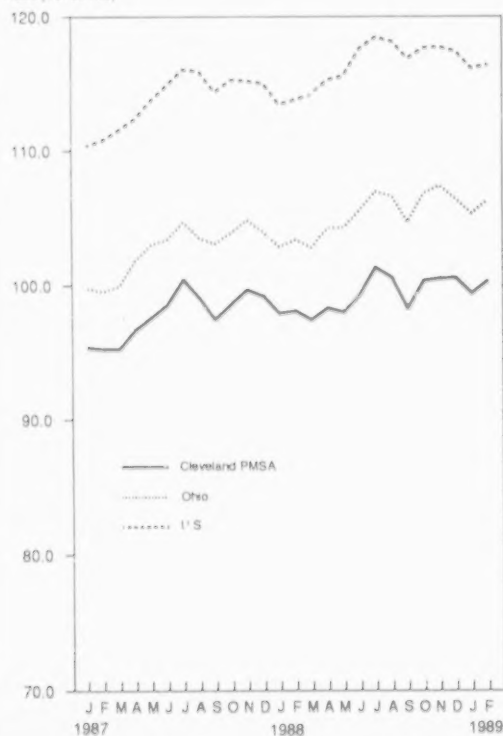
Nonagricultural wage and salary employment advanced 22,600 between March 1988 and March 1989. Greatest improvement occurred in the nonmanufacturing sector, including services, retail trade, finance, insurance, and real estate, and wholesale trade. The manufacturing sector added 4,900 jobs, concentrated in nonelectrical machinery, transportation equipment, fabricated metal products, chemicals and allied products, and primary metal industries. Over the year, employment declined in instruments and related products.

Indexes of Total Employment

Cleveland PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

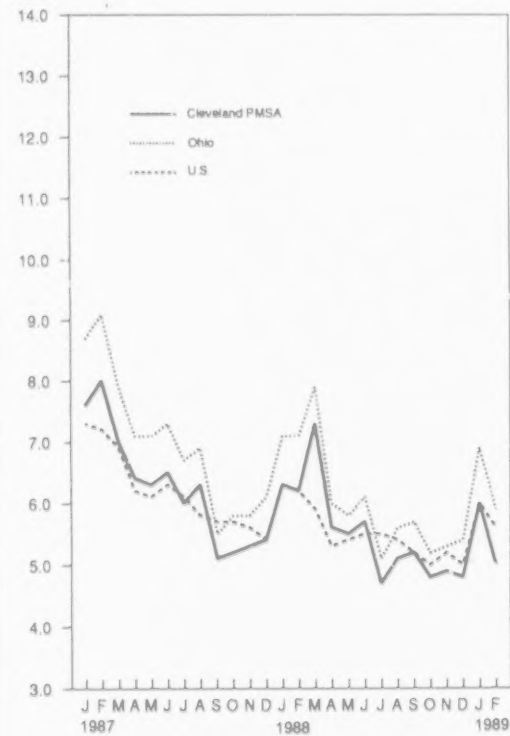


Unemployment Rates

Cleveland PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

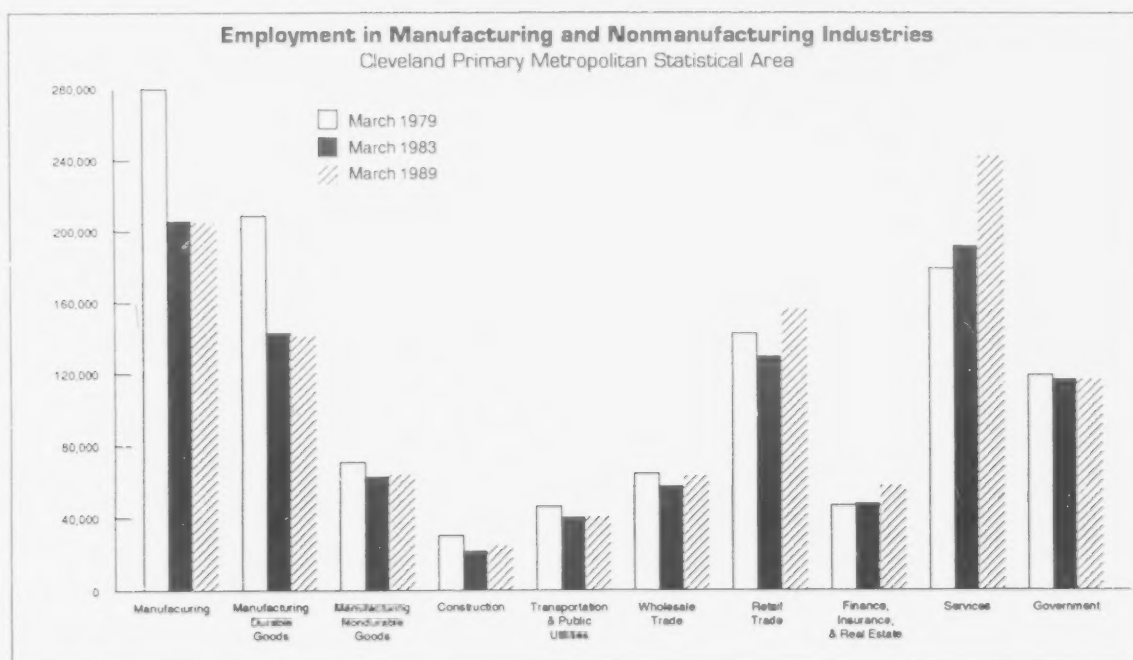
Percent



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment												
Total	Employed	Unemployed					Manufacturing Employment		Manufacturing Production Workers								
		Total	Rate														
					Hours & Earnings												
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings										
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	\$321.75	42.9	\$ 7.50							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00							
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63							
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62							
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10							
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45							
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86							
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19							
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44							
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57							
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84							
				1988													
929.6	872.2	57.4	6.2	February	880.1	199.3	128.2	500.21	42.9	11.66							
934.5	866.4	68.1	7.3	March	886.5	200.2	128.5	510.26	43.5	11.73							
925.5	873.9	51.6	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81							
922.0	871.3	50.7	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83							
936.6	883.0	53.5	5.7	June	911.0	202.2	130.4	518.28	43.7	11.86							
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69							
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79							
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91							
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93							
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03							
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15							
				1989													
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08							
939.6	892.3	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00							
INA	INA	INA	INA	March	909.0	205.0	132.9	520.37	43.4	11.99							

INA - information not available



Cleveland PMSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	909.0	902.8	886.5	6.2	22.6
Manufacturing	205.0	204.7	200.2	.4	4.9
Durable Goods ^e	141.0	140.9	137.1	.2	4.0
Primary metal industries	21.8	21.5	21.4	.2	.4
Iron and steel foundries	4.6	4.6	4.8	.0	-.2
Fabricated metal products	32.8	32.8	32.3	-.1	.5
Fabricated structural metal products	4.1	4.1	3.8	.0	.3
Screw machine products, bolts, etc.	5.0	4.9	4.9	.1	.1
Metal forgings and stampings	11.1	11.2	11.1	-.1	.0
Machinery, except electrical	30.8	30.7	29.2	.0	1.6
Construction and related machinery	2.6	2.6	2.5	.0	.0
Metalworking machinery	10.4	10.4	9.8	.1	.6
Special industry machinery	2.7	2.6	2.5	.1	.1
General industrial machinery	3.2	3.3	3.1	-.1	.1
Electric and electronic equipment	18.1	18.1	17.8	.0	.3
Electrical industrial apparatus	6.7	6.7	6.1	.0	.6
Transportation equipment	19.8	20.0	19.1	-.1	.7
Motor vehicles and equipment	12.6	12.8	11.8	-.2	.8
Instruments and related products	6.5	6.5	6.6	.0	-.2
Measuring and controlling devices	4.4	4.4	4.5	.0	-.1
Nondurable Goods ^f	64.0	63.8	63.1	.2	.9
Food and kindred products	6.5	6.5	6.5	.1	.0
Apparel and other textile products	3.5	3.6	3.5	.0	.0
Paper and allied products	5.9	6.0	6.0	.0	.0
Printing and publishing	16.0	15.8	16.0	.2	.0
Chemicals and allied products	15.2	15.0	14.7	.1	.5
Rubber and misc. plastics products	11.6	11.6	11.2	-.1	.3
Nonmanufacturing^g	704.0	698.2	686.3	5.8	17.7
Construction	24.7	23.9	24.4	.8	.3
Transportation and Public Utilities	40.6	40.3	40.3	.3	.3
Trucking and warehousing	11.9	11.8	11.7	.2	.2
Communication, electric, gas services	17.2	17.3	17.4	.0	-.2
Wholesale Trade	63.6	63.2	61.9	.4	1.7
Wholesale trade-durable goods	44.2	44.0	43.1	.1	1.1
Retail Trade	156.5	155.4	152.3	1.0	4.2
General merchandise stores	20.5	20.4	20.0	.1	.6
Finance, Insurance, and Real Estate	57.8	57.6	55.7	.2	2.1
Banking	14.2	14.1	14.0	.0	.2
Credit agencies other than banks	8.8	8.7	8.7	.0	.1
Insurance carriers	14.4	14.4	13.7	.0	.7
Services	242.5	240.6	233.9	1.9	8.6
Business services	56.0	55.4	52.5	.6	3.4
Amusement and recreation services	5.7	5.3	6.0	.4	-.3
Health services	78.1	78.0	76.4	.1	1.7
Hospitals	43.8	43.7	43.8	.0	.0
Government	117.3	116.1	116.9	1.2	.4
Federal government	20.6	20.6	20.8	.0	-.2
State government	8.4	8.4	8.5	.1	.0
State government education ^h	3.5	3.4	3.4	.1	.1
State government, except education	4.9	4.9	5.0	.0	-.1
Local government	88.3	87.1	87.6	1.2	.7
Local government education	45.2	44.4	45.2	.7	.0
Local government, except education	43.1	42.7	42.4	.4	.7

Cleveland PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$520.37	\$520.90	\$510.26	43.4	43.4	43.5	\$11.99	\$12.00	\$11.73
Durable Goods ^e	551.62	552.86	547.35	44.2	44.3	44.5	12.48	12.48	12.30
Primary metal industries	548.02	543.67	594.96	44.7	44.6	46.3	12.26	12.19	12.85
Iron and steel foundries	873.10	862.78	860.64	49.3	48.8	48.9	17.71	17.68	17.60
Fabricated metal products	544.80	546.31	533.92	43.9	43.6	43.8	12.41	12.53	12.19
Fabricated structural metal products ..	417.48	397.71	382.48	42.0	40.5	39.8	9.94	9.82	9.61
Screw machine products, bolts, etc. ...	546.56	569.75	530.31	44.4	45.8	46.6	12.31	12.44	11.38
Metal forgings and stampings	681.84	702.03	657.90	45.7	46.4	45.0	14.92	15.13	14.62
Machinery, except electrical	555.38	568.26	507.17	45.3	46.2	43.2	12.26	12.30	11.74
Construction and related machinery ...	432.56	421.29	409.95	45.2	44.3	45.0	9.57	9.51	9.11
Metalworking machinery	505.01	519.23	444.70	43.8	44.8	41.1	11.53	11.59	10.82
Special industry machinery	493.50	515.81	487.55	42.0	44.2	41.6	11.75	11.67	11.72
General industrial machinery	523.27	519.13	487.30	45.7	45.9	43.2	11.45	11.31	11.28
Electric and electronic equipment	475.84	472.26	473.28	42.6	42.7	43.5	11.17	11.06	10.88
Electrical industrial apparatus	554.34	544.05	545.56	45.7	45.3	46.0	12.13	12.01	11.86
Transportation equipment	726.18	723.68	728.68	45.5	45.4	46.8	15.96	15.94	15.57
Motor vehicles and equipment	808.75	802.96	807.77	46.4	46.2	47.1	17.43	17.38	17.15
Instruments and related products	412.10	411.68	425.64	41.5	41.5	43.3	9.93	9.92	9.83
Measuring and controlling devices	447.53	445.63	451.79	42.3	42.2	43.4	10.58	10.56	10.41
Nondurable Goods ^f	440.91	441.08	419.84	41.4	41.3	41.0	10.65	10.68	10.24
Food and kindred products	472.68	421.43	395.51	44.3	40.6	42.3	10.67	10.38	9.35
Apparel and other textile products	337.75	342.22	328.64	38.6	39.2	39.5	8.75	8.73	8.32
Paper and allied products	470.11	483.51	464.12	42.2	42.6	41.7	11.14	11.35	11.13
Printing and publishing	413.44	425.93	412.24	38.0	38.2	38.1	10.88	11.15	10.82
Chemicals and allied products	539.33	539.77	499.23	43.6	43.6	42.2	12.37	12.38	11.83
Rubber and misc. plastics products	381.23	386.10	378.71	42.5	42.9	42.6	8.97	9.00	8.89
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	600.17	585.71	570.65	40.8	40.2	40.5	14.71	14.57	14.09
Wholesale Trade	428.87	438.90	401.05	39.6	39.9	38.6	10.83	11.00	10.39
Retail Trade ^h	183.33	182.93	181.15	27.2	27.1	27.2	6.74	6.75	6.66
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	307.44	306.79	298.20	.....	.....	.....	.....	.....	.....
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	343.92	344.41	337.90	30.9	31.0	31.2	11.13	11.11	10.83

^aSee Technical Notes for concepts. ^bPreliminary ^cRevised ^dBased on unrounded figures. ^eIncludes lumber and wood products, stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures, textile mill products, petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only, tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

Employment Service Program

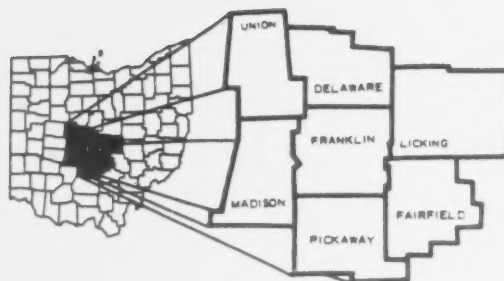
New Applicants	5,102	4,611	4,874
Active File of Job Seekers	58,821	57,627	63,562
Referrals to Jobs	2,529	2,481	2,071
Placements	924	437	375
Job Openings Received	1,363	1,587	1,608
Job Openings Unfilled	3,360	3,878	2,885

Unemployment Insurance Program

Initial Claims	5,921	5,854	7,766
Continued Claims	74,461	64,429	94,711
First Payments	4,035	4,779	3,936
Last Payments	817	715	1,104
Weeks Compensated	67,930	57,286	81,226
Benefits Paid	\$10,988,586	\$9,142,349	\$12,757,587
Average Weekly Payment	\$160.09	\$162.35	\$159.33

	March 1989	February 1989	March 1988
New Applicants	5,102	4,611	4,874
Active File of Job Seekers	58,821	57,627	63,562
Referrals to Jobs	2,529	2,481	2,071
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Benefits Paid	\$10,988,586	\$9,142,349	\$12,757,587
Average Weekly Payment	\$160.09	\$162.35	\$159.33

COLUMBUS METROPOLITAN STATISTICAL AREA



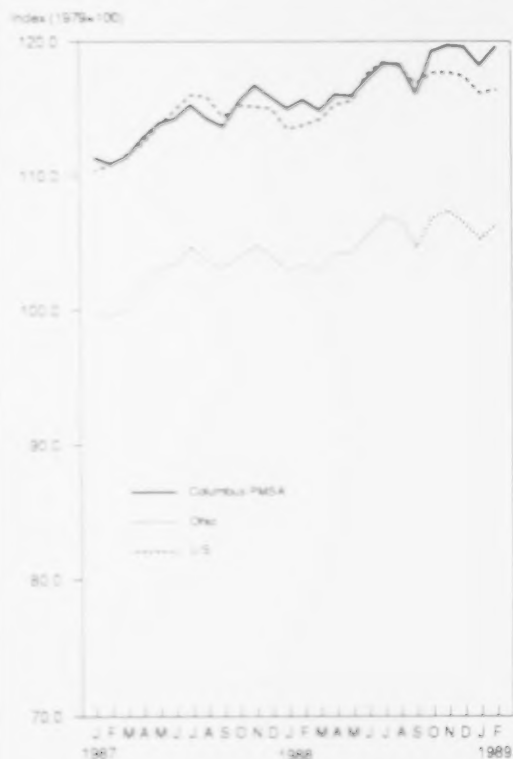
Nonagricultural payroll employment in the Columbus metropolitan area totaled 687,800 in March 1989, up 4,300 from February. Seasonal increases in services, retail trade, and construction accounted for most of the improvement. Manufacturing employment dropped off 200 in March due to declines in fabricated metal products and rubber and miscellaneous plastics products. Factory production workers averaged \$11.84 per hour, down slightly from February. Their average workweek of 41.6 hours was just .1 hours longer.

Total nonfarm wage and salary employment advanced 23,600 between March 1988 and March 1989. Growth was concentrated in nonmanufacturing. Primary growth sectors were services, retail trade, and local government. Construction, wholesale trade, transportation and public utilities, and finance, insurance, and real estate also improved. Manufacturing employment gained 2,000 over the year, to 102,900. Gains in fabricated metal products and transportation equipment boosted employment in durable goods, while a gain in printing and publishing was largely offset by scattered losses in nondurable goods.

Indexes of Total Employment

Columbus MSA, Ohio and U.S.

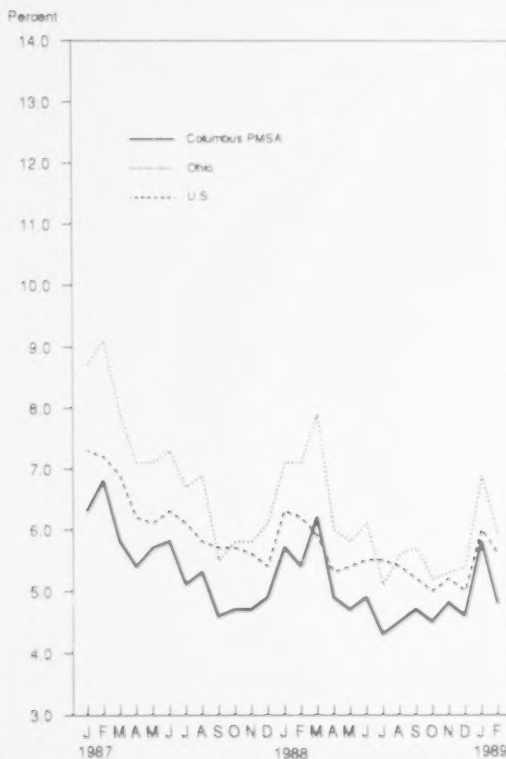
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Unemployment Rates

Columbus MSA, Ohio and U.S.

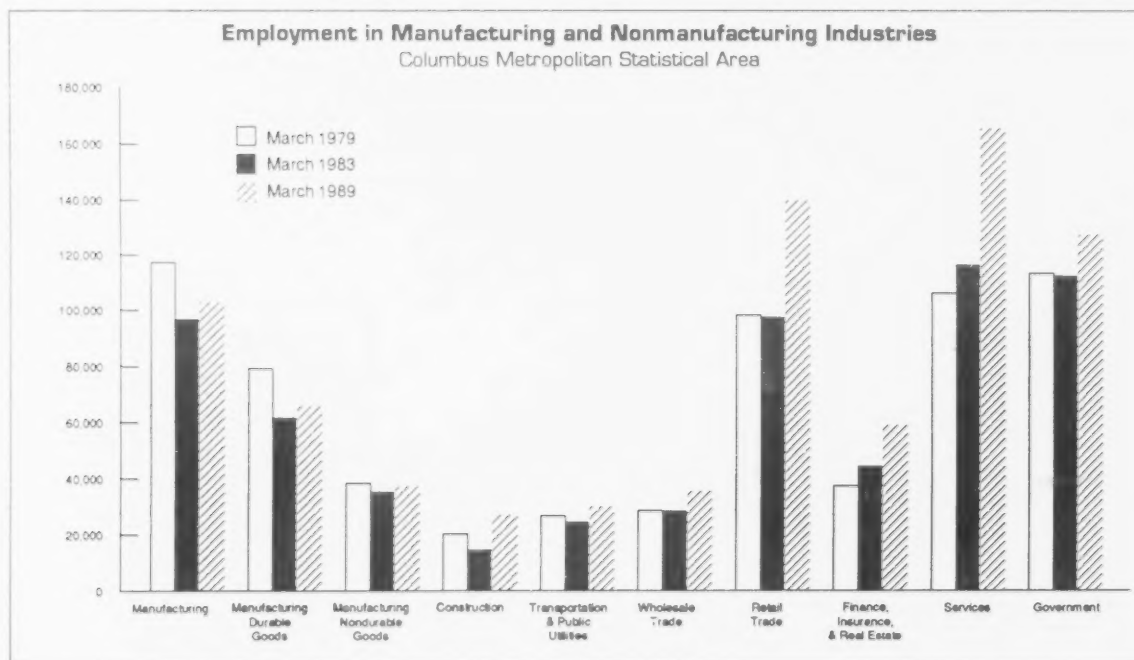
[Not Seasonally Adjusted]



Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Production Workers		
		Total	Rate				Hours & Earnings		
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5
				1988					
705.9	667.8	38.1	5.4	February	659.2	101.5	66.8	477.47	41.7
706.8	663.3	43.5	6.2	March	664.1	101.0	66.5	474.54	41.3
704.0	669.8	34.2	4.9	April	670.6	101.6	67.1	482.47	41.7
702.5	669.5	33.0	4.7	May	677.6	101.8	67.3	480.24	41.4
711.8	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9
				1989					
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5
724.4	689.6	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5
INA	INA	INA	INA	March	687.8	102.9	67.7	492.54	41.6

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	687.8	683.4	664.1	4.3	23.6
Manufacturing	102.9	103.2	101.0	-.2	2.0
Durable Goods ^e	65.7	65.8	63.7	-.1	1.9
Stone, clay, and glass products	10.0	9.9	10.0	.1	.0
Glass and glassware, pressed or blown ..	3.3	3.3	3.3	.1	.1
Fabricated metal products	9.5	9.6	8.7	-.2	.8
Fabricated structural metal products	2.5	2.6	2.4	-.1	.1
Machinery, except electrical	9.6	9.7	9.9	.0	-.2
Electric and electronic equipment	10.4	10.4	10.4	.0	.0
Transportation equipment	13.2	13.1	12.3	.1	.8
Instruments and related products	4.2	4.2	4.2	.0	.0
Nondurable Goods ^f	37.3	37.4	37.2	-.1	.0
Food and kindred products	10.1	10.1	10.2	.1	-.1
Printing and publishing	10.7	10.7	10.4	.0	.3
Chemicals and allied products	6.6	6.6	6.7	.0	-.1
Rubber and misc. plastics products	5.5	5.6	5.4	-.1	.1
Nonmanufacturing ^g	584.8	580.3	563.2	4.6	21.7
Construction	27.1	26.2	25.4	.9	1.7
Transportation and Public Utilities	30.2	30.1	28.9	.1	1.2
Trucking and warehousing	12.7	12.6	11.9	.1	.8
Communication, electric, gas services	11.9	11.9	11.9	.0	-.1
Wholesale Trade	35.5	35.3	34.1	.2	1.4
Wholesale trade-durable goods	22.8	22.8	22.0	.0	.9
Retail Trade	139.8	138.7	134.3	1.1	5.5
General merchandise stores	19.5	19.4	20.1	.1	-.6
Finance, Insurance, and Real Estate	58.6	58.6	57.5	.1	1.1
Banking	11.7	11.7	11.4	.0	.3
Insurance carriers	23.4	23.3	23.1	.1	.3
Services	165.5	163.9	157.9	1.6	7.6
Business services	39.0	38.6	35.9	.4	3.1
Health services	42.4	42.1	40.8	.3	1.6
Hospitals	19.6	19.4	18.9	.1	.7
Government	127.2	126.7	124.2	.5	3.0
Federal government	15.3	15.3	15.4	.0	-.1
State government	55.8	55.6	55.0	.2	.8
State government education ^h	24.1	24.0	24.1	.1	.0
State government, except education	31.7	31.6	30.9	.0	.8
Local government	56.1	55.7	53.8	.3	2.3
Local government education	34.5	34.1	33.0	.4	1.5
Local government, except education	21.6	21.6	20.8	.0	.8

Columbus MSA

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$492.54	\$491.78	\$474.54	41.6	41.5	41.3	\$11.84	\$11.85	\$11.49
Durable Goods ^e	497.12	497.54	482.38	41.6	41.6	41.3	11.95	11.96	11.68
Stone, clay, and glass products	486.46	480.90	479.81	41.9	41.6	40.8	11.61	11.56	11.76
Glass and glassware, pressed or blown	458.05	448.45	437.49	42.1	41.6	39.7	10.88	10.78	11.02
Fabricated metal products	503.87	500.49	488.35	40.7	40.2	39.8	12.38	12.45	12.27
Fabricated structural metal products	440.50	452.97	440.64	39.9	40.3	40.5	11.04	11.24	10.88
Machinery, except electrical	447.53	439.30	441.79	40.5	39.9	41.6	11.05	11.01	10.62
Electric and electronic equipment	458.00	449.59	454.62	40.0	39.3	40.7	11.45	11.44	11.17
Transportation equipment	609.47	639.45	603.42	42.8	45.0	43.6	14.24	14.21	13.84
Instruments and related products	431.42	423.86	421.02	40.7	40.1	40.6	10.60	10.57	10.37
Nondurable Goods ^f	480.24	479.49	458.84	41.4	41.3	41.3	11.60	11.61	11.11
Food and kindred products	453.00	430.77	451.00	42.1	40.6	41.3	10.76	10.61	10.92
Printing and publishing	574.23	576.87	527.24	40.1	40.2	39.2	14.32	14.35	13.45
Chemicals and allied products	590.47	618.87	560.53	43.1	44.3	42.4	13.70	13.97	13.22
Rubber and misc. plastics products	356.33	363.67	352.79	40.4	41.0	42.2	8.82	8.87	8.36
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	564.01	563.80	582.61	40.2	40.3	41.0	14.03	13.99	14.21
Wholesale Trade	362.14	358.70	340.38	38.0	37.6	37.2	9.53	9.54	9.15
Retail Trade ^h	188.01	186.78	180.41	28.4	28.3	28.5	6.62	6.60	6.33
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	272.31	271.84	264.27	.....	.....	.....	.....	.....	.....
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	360.25	362.28	333.88	33.7	33.7	34.0	10.69	10.75	9.82

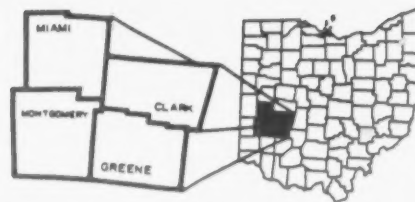
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

Columbus MSA

	March 1989	February 1989	March 1988
Employment Service Program			
New Applicants	5,159	5,606	4,431
Active File of Job Seekers	32,498	31,875	33,817
Referrals to Jobs	2,396	2,407	2,606
Placements	647	546	683
Job Openings Received	1,380	953	1,283
Job Openings Unfilled	2,062	1,771	2,431
Unemployment Insurance Program			
Initial Claims	4,029	4,140	4,091
Continued Claims	52,016	45,322	55,014
First Payments	2,981	3,239	2,583
Last Payments	511	531	800
Weeks Compensated	48,038	40,588	50,967
Benefits Paid	\$7,830,719	\$6,550,211	\$8,085,268
Average Weekly Payment	\$168.47	\$167.30	\$161.48

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



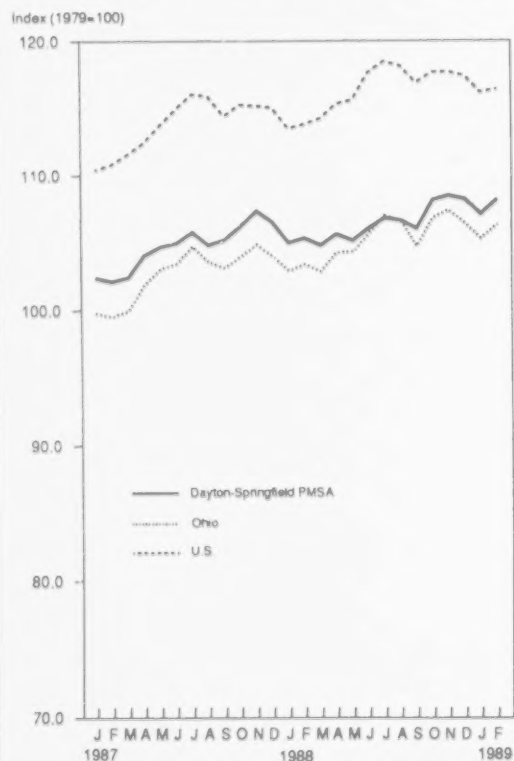
In the Dayton-Springfield metropolitan area, total nonfarm wage and salary employment advanced 2,900 over the month, to 441,500 in March. The gain was concentrated in nonmanufacturing, especially retail trade, construction, and services. Scattered improvements in durable and nondurable goods boosted manufacturing employment 200, to 104,900 in March. Factory production workers earned an average \$13.01 per hour, up \$.03 from February. Their workweek averaged 43.5 hours, .1 hours shorter.

Nonagricultural wage and salary employment advanced 11,700 between March 1988 and March 1989. Primary growth industries were services, especially business services, retail trade, and construction. Manufacturing employment advanced 1,000 over the year, with a noteworthy improvement in nonelectrical machinery. Employment among producers of nondurable goods dropped slightly, with reductions in printing and publishing and paper and allied products.

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S.

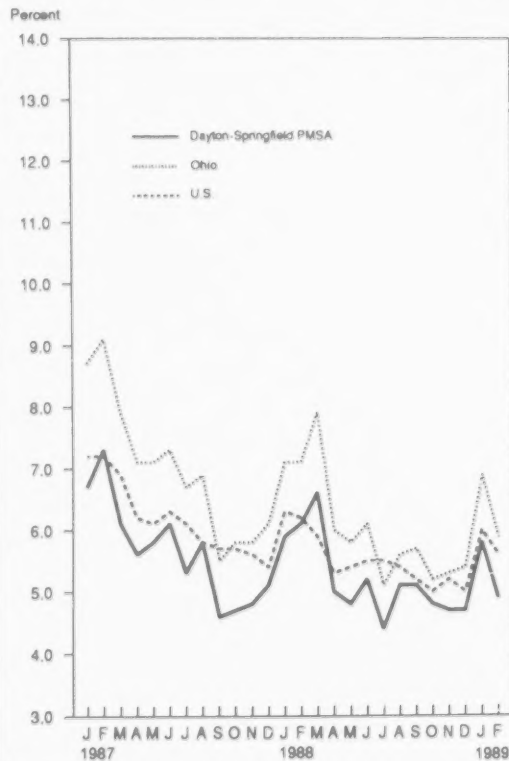
(Not Seasonally Adjusted)



Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S.

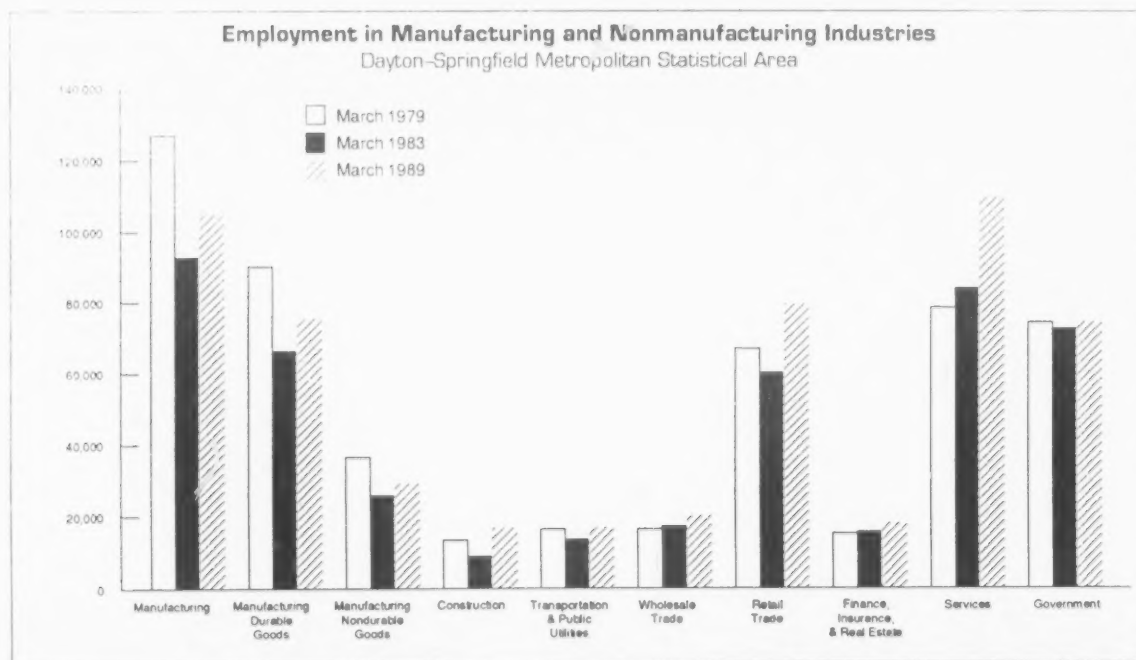
(Not Seasonally Adjusted)



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment							
					Manufacturing Employment					Manufacturing Production Workers		
										Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
Total	Employed	Unemployed										
Total	Rate											
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA		
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA		
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA		
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA		
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA		
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA		
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21		
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97		
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03		
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89		
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59		
1988												
469.1	440.4	28.7	6.1	February	426.0	103.0	65.8	516.86	42.4	12.19		
468.7	438.1	30.6	6.5	March	429.8	103.9	66.7	539.14	43.2	12.48		
464.6	441.6	23.0	4.9	April	433.4	104.4	67.3	546.45	43.3	12.62		
461.6	439.6	22.0	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61		
467.8	443.4	24.3	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71		
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39		
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38		
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67		
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95		
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.09	44.6	13.02		
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95		
1989												
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08		
475.8	452.4	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98		
INA	INA	INA	INA	March	441.5	104.9	67.5	565.94	43.5	13.01		

INA - information not available



Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	441.5	438.6	429.8	2.9	11.7
Manufacturing	104.9	104.7	103.9	.2	1.0
Durable Goods ^e	75.7	75.5	74.4	.1	1.2
Fabricated metal products	8.3	8.3	8.3	.0	.0
Machinery, except electrical	31.1	31.1	30.2	.0	.8
Metalworking machinery	6.8	6.8	6.7	.1	.2
General industrial machinery	2.8	2.9	2.7	.0	.1
Electric and electronic equipment	5.9	5.8	5.9	.1	-.1
Electrical industrial apparatus	3.3	3.3	3.3	.1	.0
Transportation equipment	20.6	20.6	20.7	.0	-.1
Nondurable Goods ^f	29.3	29.2	29.5	.1	-.2
Food and kindred products	3.0	3.1	2.9	.0	.1
Paper and allied products	5.8	5.8	5.9	.0	-.1
Printing and publishing	8.8	8.7	9.0	.0	-.2
Rubber and misc. plastics products	7.8	7.8	7.8	.0	.0
Nonmanufacturing ^g	336.6	333.9	325.9	2.7	10.6
Construction	16.9	16.2	15.2	.7	1.7
Transportation and Public Utilities	17.0	16.8	16.4	.2	.5
Communication, electric, gas services	5.2	5.2	5.7	.0	-.5
Wholesale Trade	20.1	19.9	19.3	.2	.9
Wholesale trade-durable goods	13.7	13.6	13.4	.1	.3
Retail Trade	79.6	78.5	77.0	1.1	2.6
General merchandise stores	11.5	11.3	11.4	.2	.1
Finance, Insurance, and Real Estate	18.1	18.1	17.8	.0	.4
Banking	4.2	4.2	4.1	.0	.1
Credit agencies other than banks	4.8	4.8	4.8	.0	.0
Insurance carriers	3.0	3.0	3.0	.0	.1
Services	109.8	109.1	105.3	.7	4.5
Business services	26.7	26.7	24.7	.1	2.0
Health services	37.2	37.1	36.3	.1	.9
Hospitals	19.3	19.3	19.0	-.1	.3
Educational services	8.9	9.0	9.0	.0	.0
Government	74.6	75.0	74.6	-.4	.1
Federal government	27.7	27.6	27.6	.1	.2
State government	7.3	7.2	7.3	.1	.0
State government education ^h	4.5	4.4	4.4	.1	.0
State government, except education	2.8	2.8	2.9	.0	-.1
Local government	39.6	40.2	39.7	-.6	-.1
Local government education	24.7	25.2	25.2	-.6	-.5
Local government, except education	15.0	14.9	14.5	.0	.5

Hours and Earnings of Production or Nonsupervisory Workers^a

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$565.94	\$565.93	\$539.14	43.5	43.6	43.2	\$13.01	\$12.98	\$12.48
Durable Goods ^e	579.48	577.72	551.61	43.9	43.9	43.4	13.20	13.16	12.71
Fabricated metal products	398.65	401.28	396.16	41.7	41.8	42.1	9.56	9.60	9.41
Machinery, except electrical	621.06	614.25	579.91	45.3	45.0	43.8	13.71	13.65	13.24
Metalworking machinery	593.30	599.76	553.13	47.2	47.3	45.6	12.57	12.68	12.13
General industrial machinery	509.82	507.64	453.48	43.5	43.8	42.5	11.72	11.59	10.67
Electric and electronic equipment	451.44	460.10	445.55	44.0	44.8	44.6	10.26	10.27	9.99
Electrical industrial apparatus	564.41	560.79	515.50	46.8	46.5	45.7	12.06	12.06	11.28
Transportation equipment	729.80	733.05	692.64	44.5	45.0	44.4	16.40	16.29	15.60
Nondurable Goods ^f	524.52	529.48	503.86	42.3	42.7	42.7	12.40	12.40	11.80
Food and kindred products	390.51	383.97	336.41	41.9	41.6	39.3	9.32	9.23	8.56
Paper and allied products	511.89	477.86	515.13	45.3	43.6	46.2	11.30	10.96	11.15
Printing and publishing	471.02	468.06	442.80	40.5	39.7	40.0	11.63	11.79	11.07
Rubber and misc. plastics products	686.00	718.09	644.36	41.4	43.6	42.9	16.57	16.47	15.02
Transportation and Public Utilities	543.89	542.52	572.11	39.7	39.6	41.1	13.70	13.70	13.92
Communication, electric, gas services	543.89	542.52	572.11	39.7	39.6	41.1	13.70	13.70	13.92
Wholesale Trade	399.91	399.78	414.80	39.4	39.7	40.0	10.15	10.07	10.37
Retail Trade ^h	169.16	166.88	160.38	28.1	28.0	27.7	6.02	5.96	5.79
Services	362.86	362.86	367.08	34.2	34.2	34.5	10.61	10.61	10.64
Health services	362.86	362.86	367.08	34.2	34.2	34.5	10.61	10.61	10.64
Hospitals	362.86	362.86	367.08	34.2	34.2	34.5	10.61	10.61	10.64

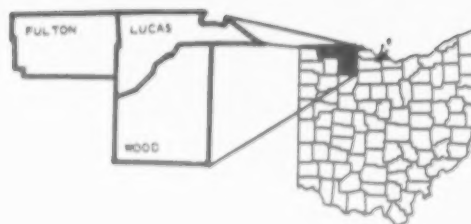
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

	March 1989	February 1989	March 1988
Employment Service Program			
New Applicants	2,845	2,384	2,775
Active File of Job Seekers	13,015	12,504	20,630
Referrals to Jobs	1,636	2,172	1,782
Placements	312	263	501
Job Openings Received	1,203	759	875
Job Openings Unfilled	1,784	1,484	1,973
Unemployment Insurance Program			
Initial Claims	2,914	2,955	2,310
Continued Claims	33,670	28,527	35,714
First Payments	2,065	2,413	1,616
Last Payments	373	317	504
Weeks Compensated	31,268	26,450	33,252
Benefits Paid	\$4,610,109	\$3,894,895	\$4,892,895
Average Weekly Payment	\$151.64	\$149.57	\$148.70

TOLEDO METROPOLITAN STATISTICAL AREA



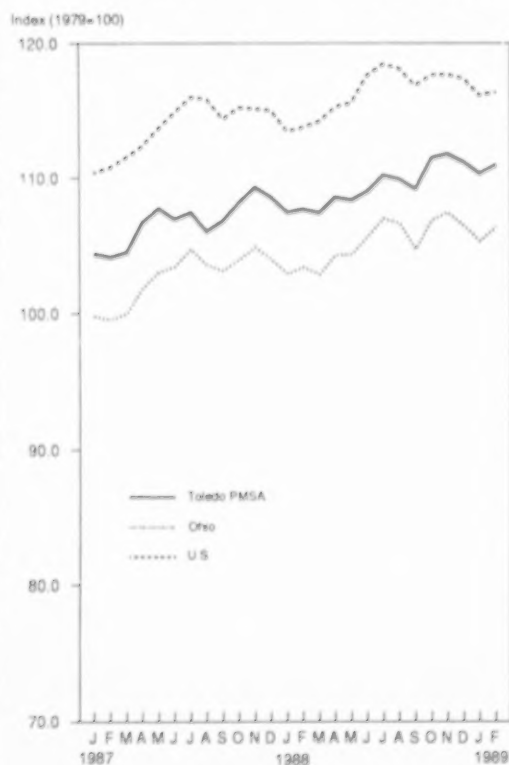
In the Toledo metropolitan area, nonagricultural wage and salary employment totaled 288,300 in March 1989, up 2,600 from February. Improvements in nonmanufacturing employment accounted for most of the change. Seasonal gains were reported in services, retail trade and construction. Manufacturing employment rose 200 over the month, boosted by modest improvements in durable goods, especially fabricated metal products and stone, clay, and glassware. Manufacturing production workers averaged \$13.39 per hour in March, on a par with February earnings. Their average workweek, 44.6 hours in March, was little changed from the previous month.

Total nonfarm wage and salary employment advanced 8,900 between March 1988 and March 1989. The change was concentrated in nonmanufacturing industries, especially services and retail trade. Employment also rose in construction and state and local schools and colleges. Scattered improvements in manufacturing employment were largely offset by losses in electric and electronic equipment.

Indexes of Total Employment

Toledo MSA, Ohio and U.S.

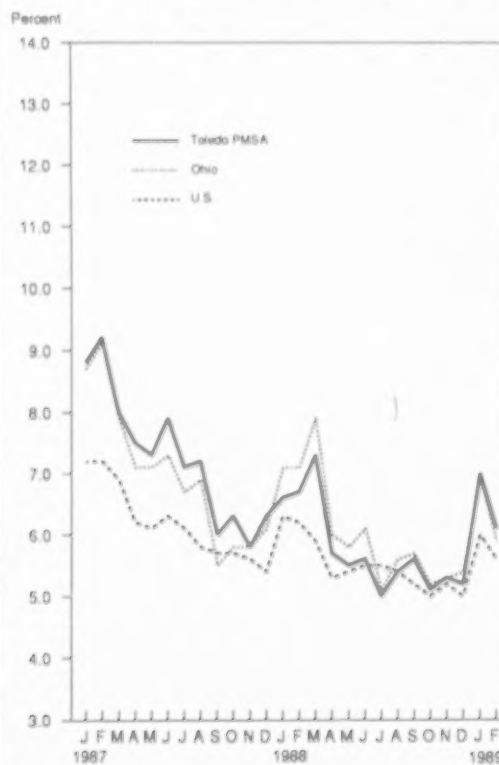
(Not Seasonally Adjusted)



Unemployment Rates

Toledo MSA, Ohio and U.S.

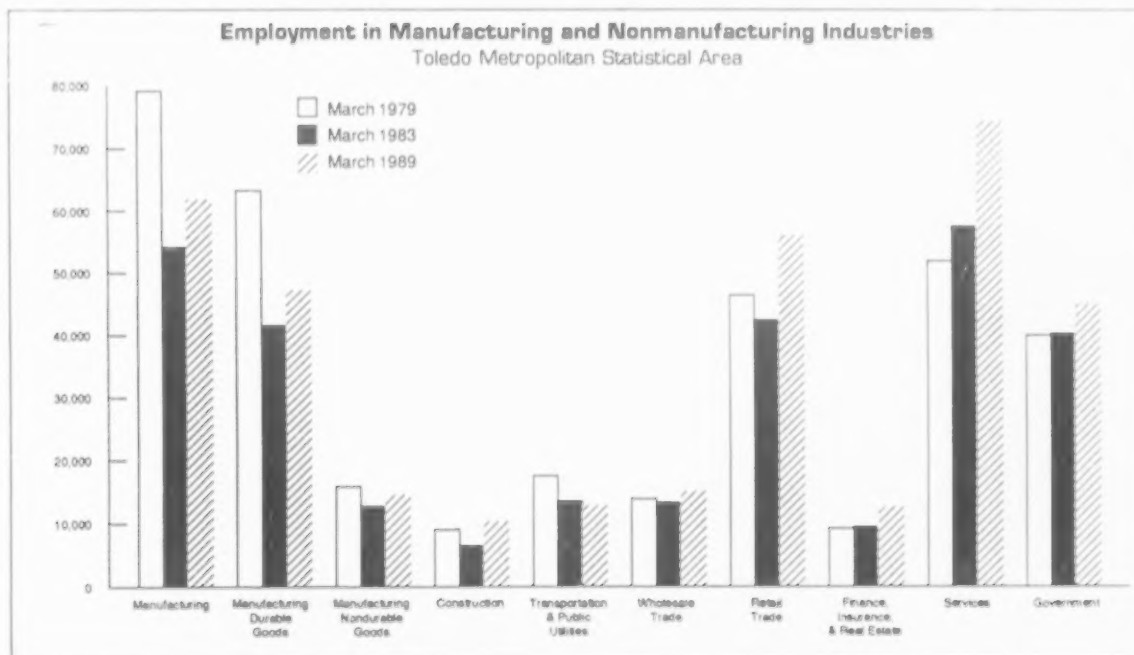
(Not Seasonally Adjusted)



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate				Manufacturing Production Workers			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
309.2	287.6	21.6	7.0	February	276.1	61.2	43.8	526.58	41.3	12.75
310.7	286.9	23.8	7.7	March	279.4	61.7	44.2	568.49	43.1	13.19
307.7	290.0	17.7	5.8	April	282.4	61.9	44.3	572.86	43.3	13.23
306.4	289.5	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.7	296.4	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
INA	INA	INA	INA	March	288.3	61.8	44.3	597.19	44.6	13.39

INA = information not available



Toledo MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	288.3	285.7	279.4	2.6	8.9
Manufacturing	61.8	61.7	61.7	.2	.2
Durable Goods ^e	47.3	46.9	47.0	.3	.2
Stone, clay, and glass products	7.6	7.5	7.7	.1	-.1
Primary metal industries	3.5	3.5	3.5	.0	-.1
Fabricated metal products	7.4	7.2	7.2	.2	.2
Metal forgings and stampings	3.0	3.0	3.1	.0	-.1
Machinery, except electrical	6.0	6.0	5.9	0	.1
Electric and electronic equipment	2.2	2.2	2.5	.0	-.3
Transportation equipment	15.8	15.8	15.7	.0	.1
Motor vehicles and equipment	14.9	14.9	14.8	0	.0
Nondurable Goods ^f	14.6	14.7	14.6	-.2	.0
Food and kindred products	3.8	3.9	3.8	-.1	-.1
Rubber and misc. plastics products	3.4	3.4	3.5	.0	-.1
Nonmanufacturing ^g	226.5	224.1	217.7	2.4	8.7
Construction	10.2	9.7	9.1	.5	1.1
Transportation and Public Utilities	12.8	12.8	12.8	.0	-.1
Trucking and warehousing	5.2	5.2	5.3	0	.0
Communication, electric, gas services	4.7	4.7	4.7	0	.0
Wholesale Trade	15.1	14.9	14.7	.2	.4
Wholesale trade-durable goods	10.0	10.0	9.7	0	.3
Retail Trade	56.1	55.4	53.8	.6	2.3
General merchandise stores	8.6	8.4	7.8	.2	.8
Finance, Insurance, and Real Estate	12.5	12.5	12.2	.1	.3
Banking	3.8	3.8	3.7	0	.1
Services	74.4	73.8	70.9	.7	3.6
Business services	15.8	15.7	14.6	.1	1.2
Health services	27.3	27.3	26.7	0	.6
Hospitals	15.1	15.1	15.0	0	.1
Government	45.1	44.8	44.0	.3	1.1
State government	17.0	16.8	16.5	.2	.6
State government education ^h	12.8	12.7	12.4	.1	.4
State government, except education	4.2	4.2	4.1	.1	.2
Local government	25.4	25.4	24.9	.0	.5
Local government education	15.0	15.0	14.7	0	.3
Local government, except education	10.4	10.4	10.2	0	.2

Toledo MSA

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$597.19	\$598.53	\$568.49	44.6	44.7	43.1	\$13.39	\$13.39	\$13.19
Durable Goods ^e	630.19	626.52	591.84	45.6	45.4	43.2	13.82	13.80	13.70
Stone, clay, and glass products	555.90	529.31	532.30	42.5	41.0	41.2	13.08	12.91	12.92
Primary metal industries	513.16	525.97	484.27	45.9	46.3	43.2	11.18	11.36	11.21
Fabricated metal products	516.87	520.95	540.58	45.3	45.3	42.2	11.41	11.50	12.81
Metal forgings and stampings	647.28	640.48	687.73	43.5	43.6	44.6	14.88	14.69	15.42
Machinery, except electrical	514.18	517.97	510.94	43.1	43.2	42.9	11.93	11.99	11.91
Electric and electronic equipment	563.33	544.62	506.35	43.2	43.5	41.2	13.04	12.52	12.29
Transportation equipment	832.90	832.00	743.36	48.2	48.4	44.7	17.28	17.19	16.63
Motor vehicles and equipment	839.94	839.05	750.40	48.3	48.5	44.8	17.39	17.30	16.75
Nondurable Goods ^f	478.88	498.80	476.58	41.0	42.2	42.4	11.68	11.82	11.24
Food and kindred products	566.59	557.95	590.95	41.6	41.7	44.2	13.62	13.38	13.37
Rubber and misc. plastics products	359.77	364.56	336.61	41.4	42.0	41.1	8.69	8.68	8.19
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	590.38	572.66	617.40	40.8	40.3	42.0	14.47	14.21	14.70
Wholesale Trade	393.82	391.84	372.10	39.5	39.7	38.6	9.97	9.87	9.64
Retail Trade ^h	159.03	158.03	161.58	27.0	27.2	28.7	5.89	5.81	5.63

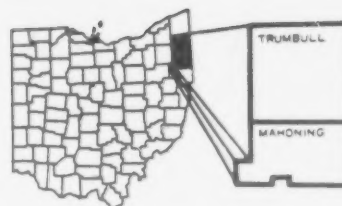
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

Toledo MSA

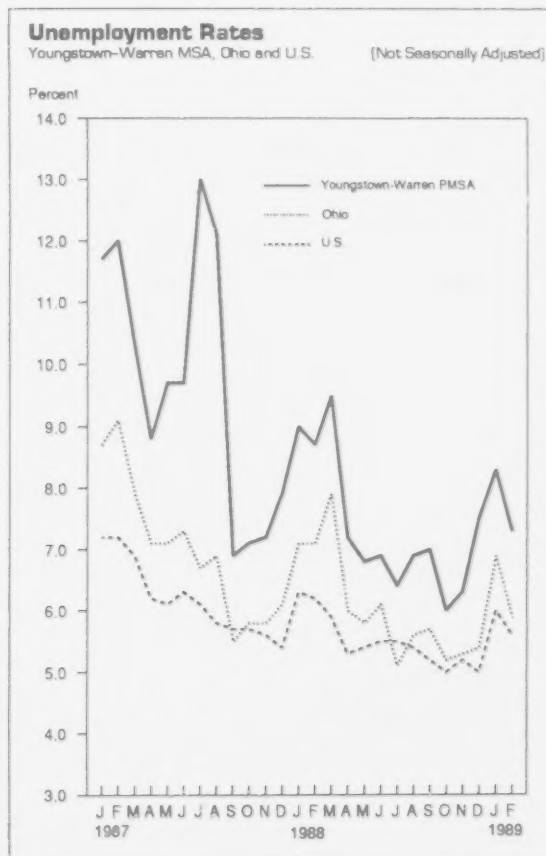
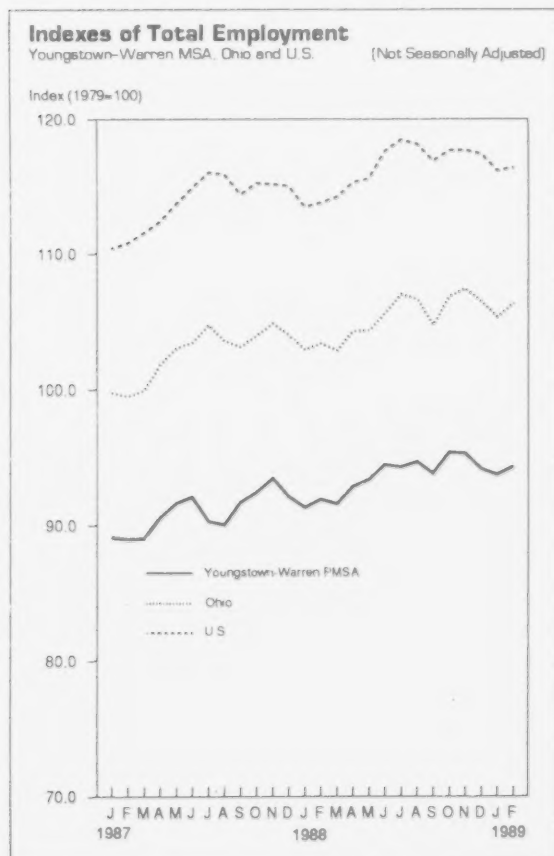
	March 1989	February 1989	March 1988
Employment Service Program			
New Applicants	2,277	2,094	2,315
Active File of Job Seekers	19,375	19,090	19,031
Referrals to Jobs	2,079	1,161	1,247
Placements	356	277	243
Job Openings Received	723	381	519
Job Openings Unfilled	855	663	835
Unemployment Insurance Program			
Initial Claims	2,742	2,804	2,983
Continued Claims	28,164	24,782	30,822
First Payments	1,871	2,085	1,585
Last Payments	387	286	328
Weeks Compensated	26,658	22,522	26,414
Benefits Paid	\$4,241,056	\$3,537,673	\$4,052,640
Average Weekly Payment	\$166.62	\$159.49	\$156.13

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 194,700 in March 1989, up 1,700 from February. Nonmanufacturing employment gained 1,700 jobs, with noteworthy increases in retail trade, construction, services, and local schools. Scattered declines lowered manufacturing 100 over the month, to 50,500. Factory production workers averaged \$13.72 per hour, an increase of \$.04 from February. Their average workweek of 43.5 hours was .6 hours longer.

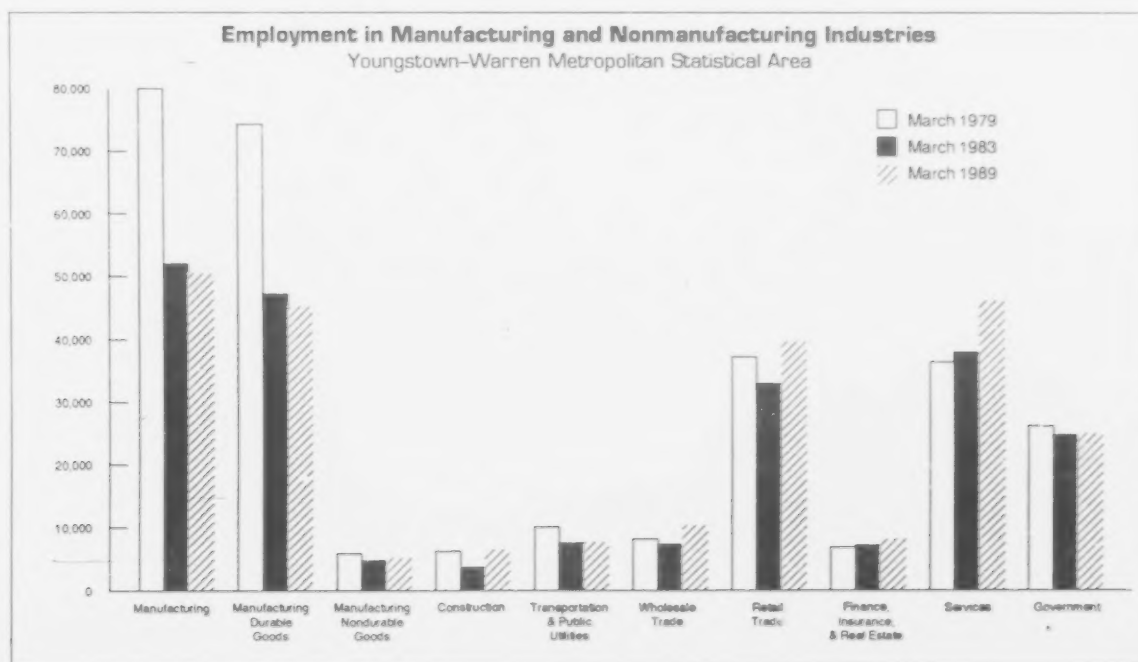
Nonfarm wage and salary employment advanced 5,300 between March 1988 and March 1989. Primary growth industries were services and retail trade. Modest gains were also noted in wholesale trade and construction. Manufacturing employment increased just 500 over the year. In durable goods, improvements in fabricated metal products and nonelectrical machinery were nearly offset by a loss in transportation equipment. Employment in nondurable-goods industries also improved. Although employment in primary metal industries remained stable over the year, employment in blast furnace and basic steel products declined 400.



Youngstown-Warren MSA Labor Force and Employment Data
[Employed and Unemployed in Thousands]

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
					Manufacturing Employment					
					Manufacturing Production Workers					
					Hours & Earnings					
Total:	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
1988										
221.5	202.1	19.3	8.7	February	187.7	49.6	37.7	554.86	41.5	13.37
222.6	201.4	21.2	9.5	March	189.4	50.0	38.1	557.86	41.6	13.41
220.1	204.2	15.9	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55
220.2	205.3	15.0	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
1989										
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
INA	INA	INA	INA	March	194.7	50.5	38.5	596.82	43.5	13.72

INA - information not available



Youngstown-Warren MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	From Last Month	From Last Year
Total	194.7	193.0	189.4	1.7	5.3
Manufacturing	50.5	50.6	50.0	-.1	.5
Durable Goods ^e	45.3	45.3	45.0	-.1	.3
Primary metal industries	18.7	18.9	18.7	-.1	.1
Blast furnace and basic steel products	5.5	5.5	5.9	.0	-.4
Fabricated metal products	7.5	7.4	7.4	.1	.2
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.3	2.3	2.3	.0	.0
Transportation equipment	9.7	9.7	9.8	-.1	-.2
Nondurable Goods ^f	5.3	5.2	5.0	.0	.3
Nonmanufacturing ^g	144.2	142.5	139.5	1.7	4.7
Construction	6.5	6.1	6.0	.4	.5
Transportation and Public Utilities	7.7	7.6	7.4	.1	.2
Communication, electric, gas services	2.8	2.8	2.9	.0	-.1
Wholesale Trade	10.5	10.3	9.8	.1	.7
Wholesale trade-durable goods	6.8	6.7	6.3	.1	.4
Retail Trade	39.7	39.1	38.2	.6	1.4
General merchandise stores	5.1	5.1	5.1	.0	.0
Finance, Insurance, and Real Estate	8.1	8.2	8.1	-.1	.0
Banking	2.7	2.7	2.7	.0	.0
Services	46.2	45.8	44.1	.4	2.1
Health services	20.7	20.6	20.0	.1	.7
Hospitals	10.7	10.7	10.4	.0	.3
Government	25.1	24.7	25.2	.3	-.1
State government	4.6	4.6	4.5	.0	.1
State government education ^h	3.1	3.1	3.0	.0	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.3	18.0	18.6	.3	-.3
Local government education	12.0	11.7	12.4	.3	-.4
Local government, except education	6.3	6.3	6.2	.0	.1

Youngstown-Warren MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c	Mar. 1989 ^b	Feb. 1989 ^c	Mar. 1988 ^c
Manufacturing	\$596.82	\$586.87	\$557.86	43.5	42.9	41.6	\$13.72	\$13.68	\$13.41
Durable Goods ^e	613.20	602.11	570.57	43.8	43.1	41.8	14.00	13.97	13.65
Primary metal industries	628.25	638.97	609.44	41.8	42.4	41.6	15.03	15.07	14.65
Blast furnace and basic steel products	603.40	606.09	654.24	44.4	44.5	47.0	13.59	13.62	13.92
Fabricated metal products	603.45	586.48	548.70	45.0	43.8	41.6	13.41	13.39	13.19
Machinery, except electrical	483.63	509.21	485.06	41.8	43.3	42.4	11.57	11.76	11.44
Electric and electronic equipment	462.03	474.66	451.36	40.6	41.6	40.7	11.38	11.41	11.09
Transportation equipment	726.05	663.49	623.66	48.5	44.8	42.6	14.97	14.81	14.64
Nondurable Goods ^f	417.51	417.91	409.37	40.3	40.3	39.4	10.36	10.37	10.39
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	561.20	562.60	542.70	40.0	40.1	39.7	14.03	14.03	13.67
Wholesale Trade	371.50	366.05	350.41	38.9	38.9	37.8	9.55	9.41	9.27
Retail Trade ^h	177.84	180.05	172.49	28.5	28.9	28.7	6.24	6.23	6.01

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	March 1989	February 1989	March 1988
Employment Service Program			
New Applicants	3,016	2,117	2,338
Active File of Job Seekers	18,430	16,680	17,773
Referrals to Jobs	1,540	1,044	1,058
Placements	181	136	224
Job Openings Received	497	317	489
Job Openings Unfilled	647	590	749
Unemployment Insurance Program			
Initial Claims	2,963	2,727	3,051
Continued Claims	25,634	22,506	26,928
First Payments	1,701	1,727	1,432
Last Payments	326	240	270
Weeks Compensated	23,883	20,569	25,066
Benefits Paid	\$3,615,484	\$3,052,043	\$3,700,081
Average Weekly Payment	\$156.77	\$152.32	\$150.72

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio			
	March 1989	February 1989	March 1988
New Applicants	43,939	39,842	40,729
Active File of Job Seekers	278,527	269,508	297,532
Counseling Interviews	1,162	999	1,410
Tests Administered	1,651	1,866	4,432
General Aptitude Tests	221	76	380
Proficiency Tests	366	335	456
Specific Aptitude Tests	167	346	1,063
Referrals to Jobs	29,147	24,630	25,632
Placements	5,762	4,366	5,521
Job Openings Received	12,510	9,402	12,420
Job Openings Unfilled	19,989	19,148	19,562

Selected Unemployment Insurance Activities

Ohio			
	March 1989	February 1989	March 1988
Initial Claims	45,146	46,056	46,783
Continued Claims	519,538	455,561	587,431
First Payments	30,633	35,608	26,894
Last Payments	5,761	4,827	8,581
Average Weekly Claimants	111,712	115,892	126,378
Average Weekly Benefit Recipients	103,011	102,045	114,848
Weeks Compensated	484,644	409,745	530,537
Benefits Paid	\$76,359,474	\$64,091,210	\$81,677,838
Average Weekly Payment	\$161.94	\$161.04	\$156.95
Continued Claims for Survey Week	104,503	117,635	123,737 ^a
Insured Unemployment Rate	2.5	2.6	2.9
Net Contributions	\$3,545,071	\$68,231,924	\$4,530,769
Active Employer Accounts	203,244	202,136	199,798

^aRevised

OHIO BUREAU OF EMPLOYMENT SERVICES
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

36270-1
6/2/89
Labor
Market
Review

April 1989

Summary. The seasonally adjusted unemployment rate in Ohio rose from 5.2 percent in March to 5.4 percent in April. The national rate increased from 5.0 percent to 5.3 percent over the month. Total employment in Ohio fell 51,000 to 5,093,000. There were 288,000 unemployed Ohioans in April, up 4,000 from March. Declines in manufacturing employment were overshadowed by gains in nonmanufacturing, as nonagricultural wage and salary employment (seasonally adjusted) in Ohio changed little from March to 4,778,000 in April. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,111,000 in April, was down 3,000 from March. Employment in durable-goods industries dropped 2,000 to 749,000, due to reductions in nonelectrical machinery and transportation equipment. Nondurable-goods employment totaled 362,000 in April, 1,000 lower than in March. Declines in rubber and miscellaneous plastics products, printing and publishing, and chemicals and allied products accounted for the loss.

Nonmanufacturing. Employment in nonmanufacturing industries rose 4,000 from March to 3,668,000 in April, due chiefly to an increase of 5,000 in services. Transportation and public utilities, wholesale trade, and finance, insurance, and real estate each added 1,000 jobs. Retail trade employment declined 2,000; construction fell 1,000. There was no employment change in mining or government.

Over the Year. Ohio's unemployment rate dropped from 6.2 percent in April 1988 to 5.4 percent in April 1989. In the U. S., the unemployment rate went from 5.5 percent to 5.3 percent over the year. Total unemployment in Ohio dropped 43,000 from April 1988 to April 1989, while total employment increased 123,000. Nonfarm payroll employment rose 122,000 from April 1988. The largest gains occurred in services (+46,000) and retail trade (+31,000). Employment in construction was up 13,000. Advances in durable goods helped to raise manufacturing employment 9,000. All other divisions had small increases, except mining, which was unchanged.

Factory Hours and Earnings. Manufacturing production workers in Ohio earned an average of \$525.89 per week in April for an average workweek of 43.0 hours, both up fractionally from March. Less overtime lowered earnings sharply in motor vehicles and equipment. This drop was more than offset by higher earnings in miscellaneous plastics products, lumber and wood products, aircraft and parts, and iron and steel foundries.

Benefits and Costs. There were 35,167 initial claims filed under the Ohio Unemployment Compensation Law in April, down 22.1 percent from March, and down 8.4 percent from April 1988. Total benefits paid fell 33.0 percent to \$51.2 million. The average benefit check of

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

\$161.50 was \$.44 lower. The average weekly number of benefit recipients declined 19.7 percent to 82,736. At the end of the month, there were 204,265 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 35,087 new job applicants in April, down 20.1 percent from March, but up 1.6 percent from April 1988. The number of job openings received from employers rose 19.1 percent to 14,895. The Employment Services Division made 26,666 job referrals and 5,085 placements.

Hire Persons with Disabilities

People at Work is what the American dream is all about and people with disabilities are a part of this dream. But some are excluded. Many people ignore the ABILITY and just see the DISABILITY.

It's difficult to reach your dream without a job. Various studies show that approximately two-thirds of all disabled workers between 16 and 64 years old are not working. Do what you can to promote employment and to employ qualified workers with disabilities!

Call your local OBES Office for referral of qualified disabled job applicants.

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	April 1989	March 1989	April 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,381	5,428	5,301	-47	80	-0.9	1.5
Employment	5,093	5,144	4,970	-51	123	-1.0	2.5
Unemployment	288	284	331	4	-43	1.4	-13.0
Unemployment Rate	5.4	5.2	6.2				
Employer Survey Data^e							
Total	4,778	4,777	4,656	1	122	0.0	2.6
Manufacturing	1,111	1,114	1,101	-3	9	-0.3	0.8
Durable Goods	749	751	742	-2	7	-0.3	0.9
Nondurable Goods	362	363	360	-1	2	-0.3	0.6
Nonmanufacturing	3,668	3,663	3,555	4	113	0.1	3.2
Mining	19	19	20	0	0	0.3	-0.4
Construction	196	197	183	-1	13	-0.5	7.0
Transportation and Public Utilities	215	214	211	1	4	0.4	1.8
Wholesale Trade	261	260	252	1	8	0.3	3.3
Retail Trade	901	903	870	-2	31	-0.2	3.6
Finance, Insurance, and Real Estate	255	254	249	1	6	0.4	2.3
Services	1,125	1,120	1,079	5	46	0.4	4.3
Government	696	696	691	0	5	0.0	0.7
Goods Producing Industries ^f	1,326	1,330	1,304	-4	22	-0.3	1.7
Service Producing Industries ^g	3,452	3,447	3,352	5	100	0.2	3.0

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers.

^cPercentages are computed from unrounded numbers.

^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

^fIncludes Mining, Construction, and Manufacturing.

^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,237	4,856	381	7.3	6.3
5,290	4,897	393	7.4	6.3
5,261	4,885	376	7.1	6.1
5,272	4,895	377	7.2	6.0
5,242	4,877	365	7.0	6.0
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
1988				
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
1989				
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
	Manufacturing Employment		
		Durable	Nondurable
4,552	1,096	739	357
4,563	1,096	738	358
4,568	1,093	736	357
4,576	1,091	732	359
4,588	1,098	739	359
4,596	1,101	743	358
4,617	1,105	745	360
4,631	1,106	746	360
4,650	1,110	748	362
4,637	1,104	744	360
4,644	1,103	743	359
4,653	1,097	737	360
4,656	1,101	742	360
4,661	1,100	742	359
4,671	1,102	742	360
4,676	1,101	742	359
4,680	1,100	741	358
4,691	1,103	743	359
4,704	1,105	746	360
4,721	1,110	750	361
4,733	1,111	750	362
4,764	1,122	757	364
4,772	1,118	754	364
4,777	1,114	751	363
4,778	1,111	749	362

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
3,456	21	173	206	246
3,467	21	174	207	247
3,475	21	176	207	247
3,484	20	178	209	248
3,490	21	176	209	248
3,495	20	177	209	249
3,512	21	178	209	251
3,525	21	180	210	251
3,540	21	183	210	252
1988				
3,533	20	181	210	251
3,542	20	182	210	251
3,557	19	185	211	252
3,555	20	183	211	252
3,561	19	182	211	253
3,569	19	182	211	254
3,575	19	182	212	255
3,581	20	183	212	256
3,589	19	184	212	256
3,599	19	184	212	257
3,611	19	186	213	258
3,622	19	188	213	258
1989				
3,642	19	196	213	259
3,654	19	197	213	260
3,663	19	197	214	260
3,668	19	196	215	261

1987
April
May
June
July
August
September
October
November
December
1988
January
February
March
April
1989
January
February
March
April

Retail Trade	Finance, Insurance, & Real Estate	Services	Government
841	242	1040	687
844	243	1043	688
845	244	1048	688
847	244	1053	685
849	245	1055	687
850	246	1059	685
856	247	1062	688
860	247	1067	691
863	248	1073	691
1988			
865	247	1068	691
868	247	1073	690
872	248	1078	692
870	249	1079	691
871	249	1083	692
874	249	1087	692
876	250	1089	692
878	251	1093	689
880	251	1095	691
884	252	1097	693
887	252	1102	694
889	252	1108	693
1989			
896	253	1112	693
899	254	1116	696
903	254	1120	696
901	255	1125	696

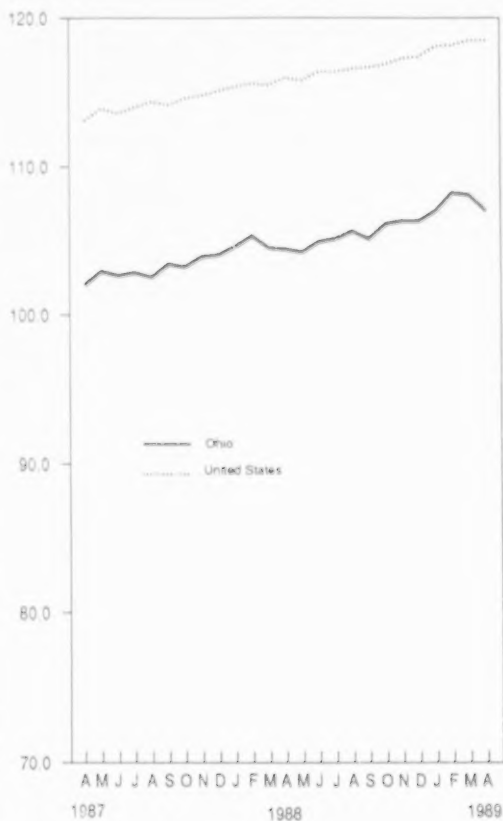
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Labor Market Review.

Indexes of Total Employment

Ohio and U.S.

(Seasonally Adjusted)

Index (1979=100)

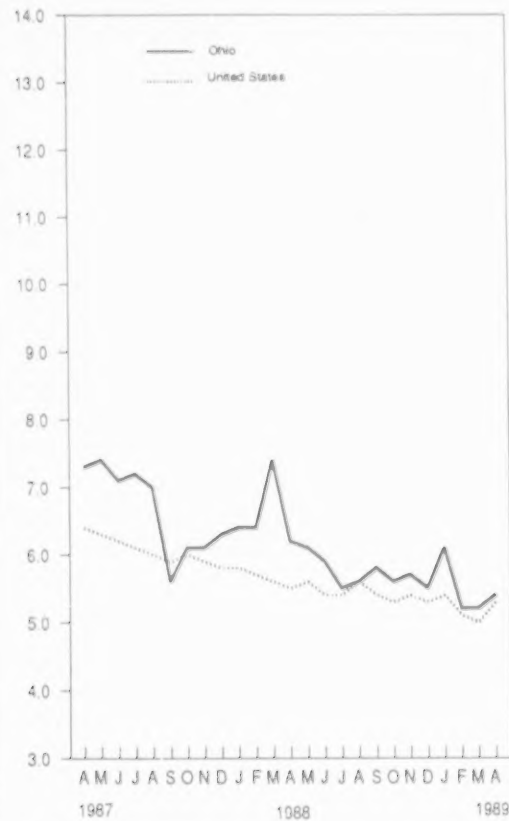


Unemployment Rates

Ohio and U.S.

(Seasonally Adjusted)

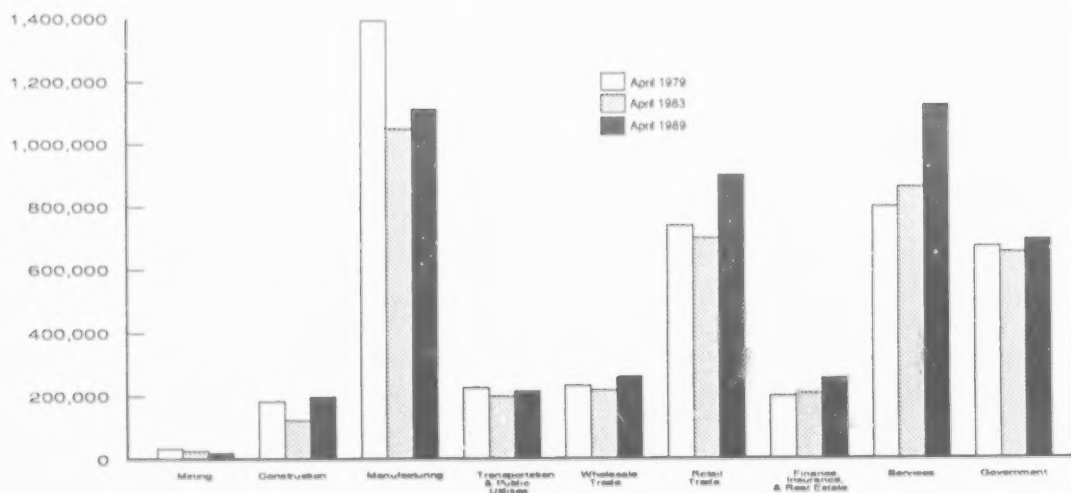
Percent



Employment in Division-Level Industries

(Seasonally Adjusted)

Number



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
5,281	4,964	317	6.0	5.3
5,269	4,966	303	5.8	5.4
5,353	5,028	325	6.1	5.5
5,366	5,093	274	5.1	5.5
5,376	5,076	301	5.6	5.4
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6
5,375	5,068	307	5.7	5.2
5,357	5,085	273	5.1	5.1

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
	Manufacturing Employment		
		Durable	Nondurable
1978	4,394.9	1,377.2	974.5
1979	4,484.8	1,382.3	980.5
1980	4,367.4	1,264.3	882.6
1981	4,317.7	1,232.6	860.4
1982	4,124.3	1,099.9	752.4
1983	4,092.5	1,066.0	723.6
1984	4,260.2	1,127.0	773.4
1985	4,372.9	1,124.3	768.7
1986	4,471.4	1,109.8	752.7
1987	4,582.6	1,098.9	740.4
1988	4,683.0	1,103.1	743.6
1988	4,642.7	1,098.5	741.8
April	4,692.3	1,100.5	743.2
May	4,715.4	1,107.6	746.9
June	4,678.8	1,100.8	741.5
July	4,679.1	1,102.1	740.5
August	4,731.7	1,110.5	745.6
September	4,757.7	1,110.3	747.8
October	4,834.7	1,115.7	753.3
November	4,781.8	1,115.1	752.5
December			
1989	4,669.0	1,112.2	751.4
January	4,671.4	1,107.3	747.9
February	4,707.6	1,106.9	748.1
March	4,761.6	1,107.8	748.8
April			

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	1987	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.6	211.5	254.3	1988	876.5	249.8	1,087.8	696.8
					1988				
3,544.3	19.1	172.1	209.4	251.6	April	859.6	247.5	1,079.8	705.2
3,591.8	19.2	182.8	211.5	253.5	May	873.2	249.0	1,092.8	709.9
3,607.8	19.6	191.2	213.1	255.8	June	879.7	251.4	1,104.1	692.9
3,578.0	19.8	199.5	213.4	256.1	July	881.1	252.8	1,103.1	652.2
3,577.0	19.8	202.5	213.9	256.3	August	886.2	253.3	1,104.7	640.3
3,621.2	19.8	202.0	214.8	256.5	September	888.2	251.8	1,109.8	678.3
3,647.4	19.8	203.0	215.0	258.4	October	891.8	252.1	1,105.1	702.2
3,719.0	19.7	197.4	214.7	258.5	November	906.0	252.1	1,102.1	768.5
3,666.6	19.5	188.0	215.3	259.1	December	921.4	252.4	1,101.0	710.0
					1989				
3,556.9	18.9	167.0	208.7	256.9	January	877.0	250.3	1,083.4	694.5
3,564.1	18.6	162.2	208.5	256.9	February	867.2	250.8	1,091.8	708.0
3,600.8	18.7	170.8	209.7	257.8	March	876.3	251.5	1,103.0	712.9
3,653.8	19.0	184.4	212.8	259.9	April	889.6	253.2	1,124.7	710.2

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,098.5	741.8	356.7
1,100.5	743.2	357.3
1,107.6	746.9	360.7
1,100.8	741.5	359.4
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,106.9	748.1	358.8
1,107.8	748.8	358.9

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
985.5	\$302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
759.1	381.7	32.6
755.3	390.4	32.5
757.3	391.1	32.6
762.4	397.8	33.0
754.9	379.4	31.9
756.7	382.1	32.1
765.9	399.6	33.2
765.5	400.4	33.1
771.1	410.1	33.7
770.1	411.5	33.7
766.2	404.1	33.1
762.0	400.1	32.8
761.4	400.2	32.7
761.6	400.5	32.7

Production Worker Average Weekly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$306.91	\$316.83	\$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
516.86	538.22	465.89
516.43	540.27	460.90
521.77	547.87	464.62
502.52	521.85	461.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
525.53	549.41	470.50
525.89	548.54	473.18

Production Worker Average Weekly Hours

Manu- facturing	Durable Goods	Nondurable Goods
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
43.0	43.3	42.2
43.0	43.5	41.9
43.3	43.9	42.2
42.3	42.6	41.8
42.4	42.7	41.8
43.3	43.7	42.5
43.3	43.7	42.3
43.7	44.2	42.6
43.8	44.2	42.9
43.2	43.7	42.1
43.0	43.5	41.9
42.9	43.5	41.6
43.0	43.5	41.8

Production Worker Average Hourly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$ 7.29	\$ 7.49	\$ 6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
12.00	12.41	11.03
12.02	12.43	11.04
12.01	12.42	11.00
12.05	12.48	11.01
11.88	12.25	11.04
11.91	12.30	11.01
12.05	12.48	11.05
12.08	12.51	11.06
12.17	12.62	11.09
12.20	12.62	11.18
12.21	12.61	11.22
12.21	12.59	11.28
12.25	12.63	11.31
12.23	12.61	11.32

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
------------------------------------	--------------------------------	---------------------------------

Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
------------------------------------	---------------------------------------	-----------------------------

Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment (thousands)

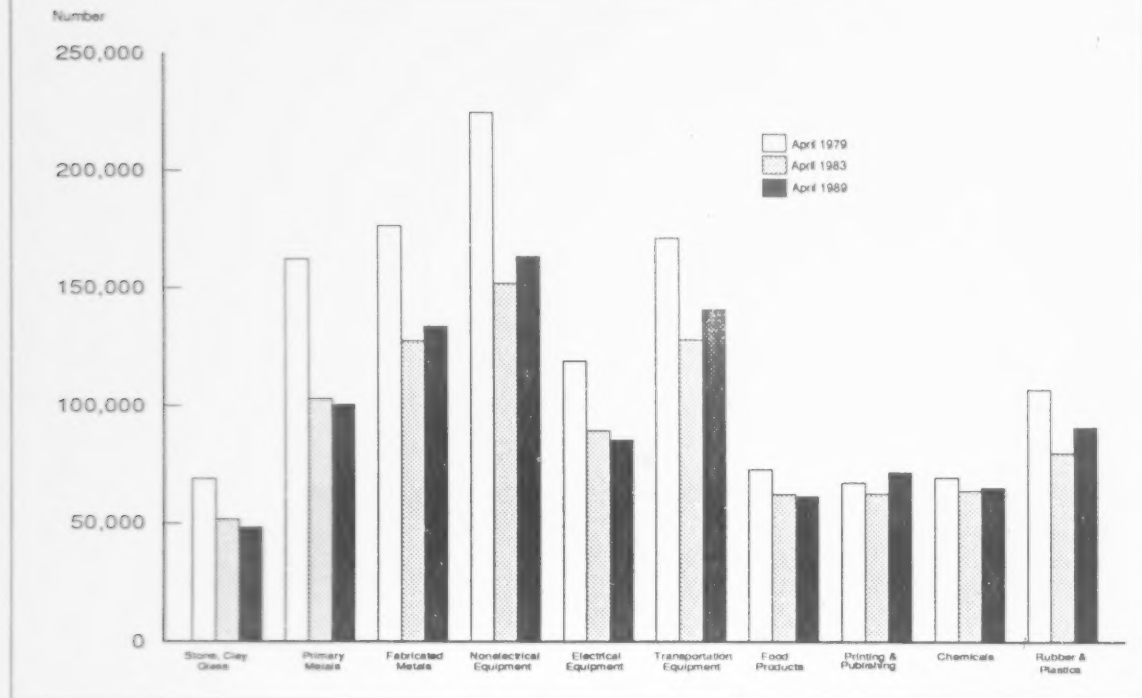
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
47.6	99.1	133.0	1988				1988			
48.0	100.0	133.5	April	157.7	86.0	143.4	April	61.0	71.0	90.7
48.7	100.3	134.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.6	98.5	132.7	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.7	99.1	131.1	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.3	101.1	133.3	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.2	100.9	133.5	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.4	101.6	134.4	October	160.4	86.6	140.6	October	63.9	72.0	91.5
47.8	102.0	134.8	November	161.7	86.9	142.6	November	63.4	72.0	91.8
			December	162.7	86.8	140.9	December	63.4	72.3	91.5
47.0	101.3	134.9	1989				1989			
46.7	100.7	133.6	January	163.0	86.5	141.6	January	62.5	71.9	91.3
47.4	100.2	133.2	February	163.1	85.7	141.0	February	61.1	71.8	91.3
48.1	100.2	133.6	March	163.2	85.6	141.0	March	61.1	71.7	90.9
			April	163.1	85.4	140.7	April	61.2	71.5	90.8

Average Weekly Earnings of Production Workers

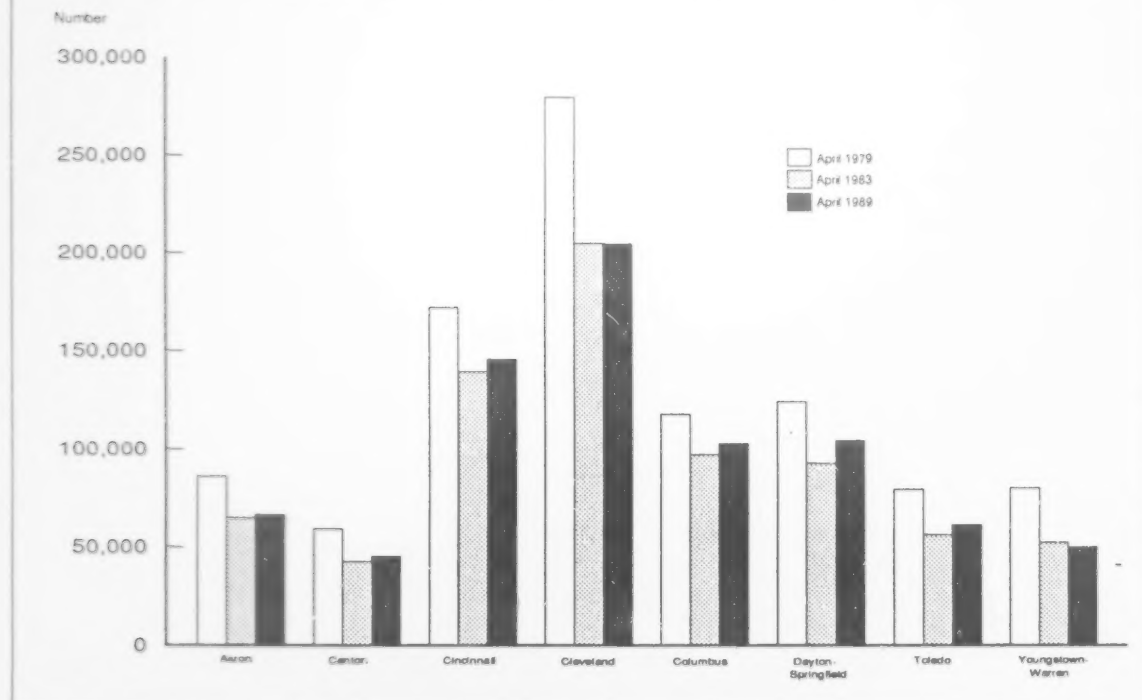
\$274.81	\$366.24	\$307.23	1978	\$306.16	\$268.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
459.43	631.48	523.50	1988				1988			
468.70	633.36	518.06	April	528.23	472.92	662.64	April	443.22	440.95	453.10
469.15	642.16	531.73	May	526.59	469.25	678.00	May	436.31	445.31	452.92
458.53	607.31	498.80	June	531.19	471.66	690.53	June	438.88	441.00	451.62
457.69	619.10	500.83	July	517.65	457.56	639.64	July	447.30	440.27	434.70
470.42	632.80	517.97	August	508.26	464.80	653.17	August	456.22	445.61	434.84
468.47	628.60	522.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
473.90	639.77	531.29	October	537.14	470.12	699.79	October	440.37	448.33	454.14
463.01	636.55	531.73	November	545.13	477.99	717.02	November	452.83	449.80	459.46
			December	549.70	484.65	721.82	December	456.89	463.65	459.72
462.34	629.95	520.22	1989				1989			
463.49	619.89	512.40	January	551.15	481.38	702.15	January	441.08	445.02	460.42
465.38	621.72	511.20	February	543.22	470.40	714.48	February	440.18	451.61	451.93
469.70	627.14	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
			April	542.87	465.50	704.01	April	449.94	445.35	453.68

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Ohio

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	4761.6	4707.6	4642.7	54.0	118.9
Manufacturing	1107.8	1106.9	1098.5	.9	9.3
Durable Goods ^e	748.8	748.1	741.8	.8	7.0
Lumber and wood products	23.5	22.8	21.2	.7	2.3
Furniture and fixtures	15.1	15.1	14.9	.0	.2
Stone, clay, and glass products	48.1	47.4	47.6	.7	.5
Glass and glassware, pressed or blown ..	8.9	8.9	8.7	.0	.2
Primary metal industries	100.2	100.2	99.1	.0	1.1
Blast furnace and basic steel products ..	44.9	45.3	45.6	-.4	-.6
Iron and steel foundries	20.2	20.2	19.1	.1	1.1
Nonferrous rolling and drawing	17.7	17.5	17.5	.2	.2
Fabricated metal products	133.6	133.2	133.0	.3	.6
Cutlery, hand tools, and hardware	9.9	9.9	10.1	.0	-.3
Fabricated structural metal products	28.2	28.0	28.0	.3	.2
Metal forgings and stampings	40.9	40.8	41.7	.1	-.8
Machinery, except electrical	163.1	163.2	157.7	-.1	5.4
Construction and related machinery	13.9	13.6	13.4	.3	.5
Metalworking machinery	42.4	42.5	40.9	.0	1.5
Special industry machinery	18.4	18.4	16.9	.0	1.4
General industrial machinery	28.7	28.9	28.1	-.2	.6
Office and computing machines	12.2	12.4	13.0	-.1	-.8
Refrigeration and service machinery	16.1	16.1	16.3	.0	-.2
Electric and electronic equipment	85.4	85.6	86.0	-.2	-.5
Electrical industrial apparatus	17.7	17.7	16.7	.0	1.0
Household appliances	15.1	15.3	15.8	-.1	-.6
Electric lighting and wiring equipment	17.1	17.3	17.1	-.1	.0
Communication equipment	9.2	9.1	9.4	.1	-.2
Transportation equipment	140.7	141.0	143.4	-.4	-2.7
Motor vehicles and equipment	95.7	95.9	95.4	-.2	.2
Aircraft and parts	36.2	36.3	39.1	-.1	-3.0
Instruments and related products	24.4	24.5	24.3	-.2	.0
Measuring and controlling devices	13.2	13.3	13.4	-.1	-.3
Nondurable Goods ^f	358.9	358.8	356.7	.1	2.3
Food and kindred products	61.2	61.1	61.0	.1	.2
Meat products	8.6	8.6	8.8	.0	-.1
Dairy products	9.4	9.3	9.5	.0	-.1
Preserved fruits and vegetables	11.5	11.5	11.0	.0	.6
Bakery products	9.5	9.4	9.4	.1	.0
Beverages	8.8	8.8	9.1	.0	-.3
Apparel and other textile products	16.1	16.0	15.2	.1	.9
Paper and allied products	37.0	37.0	37.2	.0	-.2
Misc. converted paper products	12.0	12.0	11.9	.0	.1
Paperboard containers and boxes	13.1	13.1	13.2	.0	-.1
Printing and publishing	71.5	71.7	71.0	-.2	.5
Newspapers	18.6	18.7	18.6	-.1	.0
Commercial printing	28.2	28.3	27.8	.0	.4
Chemicals and allied products	65.0	64.9	64.2	.1	.8
Industrial inorganic chemicals	8.9	8.9	9.1	.1	-.1
Rubber and misc. plastics products	90.8	90.9	90.7	-.2	.0
Tires and inner tubes	14.4	14.3	14.6	.0	-.2
Miscellaneous plastics products	56.2	56.2	56.0	-.1	.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Nonmanufacturing	3653.8	3600.8	3544.3	53.1	109.6
Mining	19.0	18.7	19.1	.3	-.1
Bituminous coal and lignite mining	7.8	7.7	7.9	.1	-.1
Oil and gas extraction	6.3	6.5	6.3	-.2	.0
Construction	184.4	170.8	172.1	13.6	12.3
General building contractors	46.8	44.2	44.0	2.6	2.8
Heavy construction contractors	22.1	18.3	20.7	3.9	1.4
Highway and street construction	7.3	5.2	7.2	2.1	.1
Special trade contractors	115.5	108.4	107.5	7.1	8.0
Transportation and Public Utilities	212.8	209.7	209.4	3.1	3.5
Railroad transportation	13.1	12.6	13.2	.6	-.1
Transportation, except railroads	112.3	109.9	107.8	2.4	4.5
Trucking and warehousing	75.8	75.1	73.9	.8	2.0
Communication, electric, gas services	87.4	87.2	88.3	.2	-.9
Communication	45.8	45.7	46.8	.1	-1.0
Electric, gas, and sanitary services	41.6	41.5	41.5	.0	.1
Wholesale Trade	259.9	257.8	251.6	2.0	8.3
Wholesale trade-durable goods	164.7	163.3	159.5	1.3	5.2
Motor vehicles & automotive equipment ..	23.0	22.9	22.4	.1	.6
Electrical goods	18.3	18.3	18.3	.0	.0
Machinery, equipment, and supplies	70.5	70.1	68.5	.4	2.0
Wholesale trade-nondurable goods	95.2	94.5	92.1	.7	3.1
Groceries and related products	30.3	30.1	29.4	.2	.9
Retail Trade	889.6	876.3	859.6	13.2	30.0
General merchandise stores	118.9	119.4	116.2	-.5	2.8
Department stores	101.6	102.0	100.2	-.4	1.4
Food stores	143.8	142.1	136.4	1.7	7.4
Automotive dealers & service stations	97.4	96.1	94.8	1.3	2.6
Apparel and accessory stores	45.4	45.0	43.1	.4	2.3
Eating and drinking places	301.5	294.1	297.2	7.4	4.3
Finance, Insurance, and Real Estate	253.2	251.5	247.5	1.7	5.7
Banking	64.5	64.4	63.3	.1	1.2
Credit agencies other than banks	38.4	38.2	38.2	.2	.3
Insurance carriers	70.2	70.0	69.5	.2	.8
Life insurance	26.0	25.9	25.7	.1	.3
Fire, marine, and casualty insurance	31.0	31.0	30.9	.1	.2
Services	1124.7	1103.0	1079.8	21.8	44.9
Hotels and other lodging places	36.8	35.4	35.2	1.3	1.6
Personal services	60.5	59.7	58.4	.7	2.1
Laundry, cleaning, & garment services ...	19.1	18.8	18.6	.3	.5
Business services	234.2	230.0	217.2	4.2	17.1
Services to buildings	32.6	32.2	31.0	.4	1.5
Computer and data processing services ..	23.0	22.8	21.1	.2	2.0
Amusement and recreation services	38.0	30.3	38.8	7.7	-.8
Health services	377.5	376.3	366.5	1.2	11.1
Nursing and personal care facilities	83.1	82.5	80.7	.7	2.5
Hospitals	184.6	184.5	180.9	.2	3.7
Educational services	67.7	67.8	65.8	-.1	1.9
Colleges and universities	37.7	38.0	36.4	-.3	1.3
Government	710.2	712.9	705.2	-2.7	5.0
Federal government	95.9	94.9	94.3	1.0	1.6
State government	166.8	166.9	162.6	-.1	4.2
State government education	91.8	92.5	88.0	-.7	3.8
State government, except education	75.0	74.4	74.6	.6	.4
Local government	447.5	451.1	448.3	-3.6	-.8
Local government education	264.0	266.3	266.1	-2.3	-2.1
Local government, except education	183.5	184.8	182.2	-1.3	1.3

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$525.89	\$525.53	\$516.86	43.0	42.9	43.0	\$12.23	\$12.25	\$12.02
Durable Goods ^g	548.54	549.41	538.22	43.5	43.5	43.3	12.61	12.63	12.43
Lumber and wood products	355.97	324.00	312.64	43.2	40.5	41.3	8.24	8.00	7.57
Furniture and fixtures	383.64	367.93	354.56	41.7	40.7	40.2	9.20	9.04	8.82
Stone, clay, and glass products	469.70	465.38	459.43	42.7	42.5	42.5	11.00	10.95	10.81
Glass and glassware, pressed or blown	489.90	491.10	494.91	41.8	42.3	42.3	11.72	11.61	11.70
Primary metal industries	627.14	621.72	631.48	44.7	44.6	45.3	14.03	13.94	13.94
Blast furnace and basic steel products	648.17	645.75	648.07	45.2	45.0	45.8	14.34	14.35	14.15
Iron and steel foundries	662.52	647.36	671.52	45.1	44.8	45.9	14.69	14.45	14.63
Nonferrous rolling and drawing	647.02	631.76	652.94	42.4	41.7	43.5	15.26	15.15	15.01
Fabricated metal products	511.20	511.20	523.50	42.6	42.6	43.3	12.00	12.00	12.09
Cutlery, hand tools, and hardware	500.80	494.40	498.54	40.0	40.0	41.1	12.52	12.36	12.13
Fabricated structural metal products	456.18	448.45	452.76	42.2	41.6	42.0	10.81	10.78	10.78
Metal forgings and stampings	638.81	639.13	660.29	44.3	44.2	45.6	14.42	14.46	14.48
Machinery, except electrical	542.87	545.43	528.23	44.1	44.2	43.8	12.31	12.34	12.06
Construction and related machinery	440.75	438.13	416.57	41.0	41.1	40.8	10.75	10.66	10.21
Metalworking machinery	524.43	521.20	500.09	44.9	44.7	44.1	11.68	11.66	11.34
Special industry machinery	514.05	518.20	505.12	44.7	45.1	44.0	11.50	11.49	11.48
General industrial machinery	564.20	573.33	560.90	43.5	43.9	44.2	12.97	13.06	12.69
Office and computing machines	445.32	439.48	421.78	40.3	39.7	40.4	11.05	11.07	10.44
Refrigeration and service machinery	643.13	631.51	624.59	44.6	44.1	43.8	14.42	14.32	14.26
Electric and electronic equipment	465.50	466.34	472.92	41.6	41.6	42.0	11.19	11.21	11.26
Electrical industrial apparatus	484.66	483.78	478.16	44.1	43.9	43.0	10.99	11.02	11.12
Household appliances	476.32	479.53	489.23	39.3	39.5	40.6	12.12	12.14	12.05
Electric lighting and wiring equipment	484.64	481.73	490.36	41.6	41.6	42.2	11.65	11.58	11.62
Communication equipment	499.05	508.79	494.91	42.4	42.9	41.8	11.77	11.86	11.84
Transportation equipment	704.01	724.23	662.64	45.1	46.1	44.0	15.61	15.71	15.06
Motor vehicles and equipment	729.58	758.16	703.35	45.4	46.8	45.0	16.07	16.20	15.63
Aircraft and parts	660.74	637.14	550.22	45.6	44.4	41.0	14.49	14.35	13.42
Instruments and related products	375.25	377.88	357.63	39.5	40.2	39.3	9.50	9.40	9.10
Measuring and controlling devices	375.58	375.71	351.59	38.6	39.3	38.3	9.73	9.56	9.18
Nondurable Goods ^f	473.18	470.50	465.89	41.8	41.6	42.2	11.32	11.31	11.04
Food and kindred products	449.94	449.35	443.22	41.7	41.8	41.5	10.79	10.75	10.68
Meat products	377.16	365.72	354.92	42.0	41.0	39.7	8.98	8.92	8.94
Dairy products	464.40	441.41	455.99	43.2	41.8	42.3	10.75	10.56	10.78
Preserved fruits and vegetables	486.36	495.44	476.15	42.0	42.6	42.1	11.58	11.63	11.31
Bakery products	460.92	468.05	462.95	38.7	39.2	39.2	11.91	11.94	11.81
Beverages	432.72	445.40	426.54	40.9	41.9	40.7	10.58	10.63	10.48
Apparel and other textile products	297.99	299.54	297.31	38.7	38.7	39.8	7.70	7.74	7.47
Paper and allied products	495.03	498.44	503.10	43.5	43.8	44.8	11.38	11.38	11.23
Misc. converted paper products	453.17	449.08	439.78	43.7	43.6	43.2	10.37	10.30	10.18
Paperboard containers and boxes	426.22	427.23	439.49	42.2	42.3	43.6	10.10	10.10	10.08
Printing and publishing	445.35	454.31	440.95	39.1	39.3	39.3	11.39	11.56	11.22
Newspapers	378.56	371.84	370.19	33.8	33.2	34.5	11.20	11.20	10.73
Commercial printing	432.92	454.72	440.64	39.9	40.6	40.8	10.85	11.20	10.60
Chemicals and allied products	581.57	575.95	548.63	42.7	42.6	42.3	13.62	13.52	12.97
Industrial inorganic chemicals	595.21	603.42	592.21	43.1	43.6	43.9	13.81	13.84	13.49
Rubber and misc. plastics products	453.68	442.68	453.10	42.8	42.0	43.4	10.60	10.54	10.44
Tires and inner tubes	703.16	693.73	685.33	46.2	45.7	46.4	15.22	15.18	14.77
Miscellaneous plastics products	438.78	426.17	436.17	42.6	41.7	43.1	10.30	10.22	10.12

See footnotes on page 13.

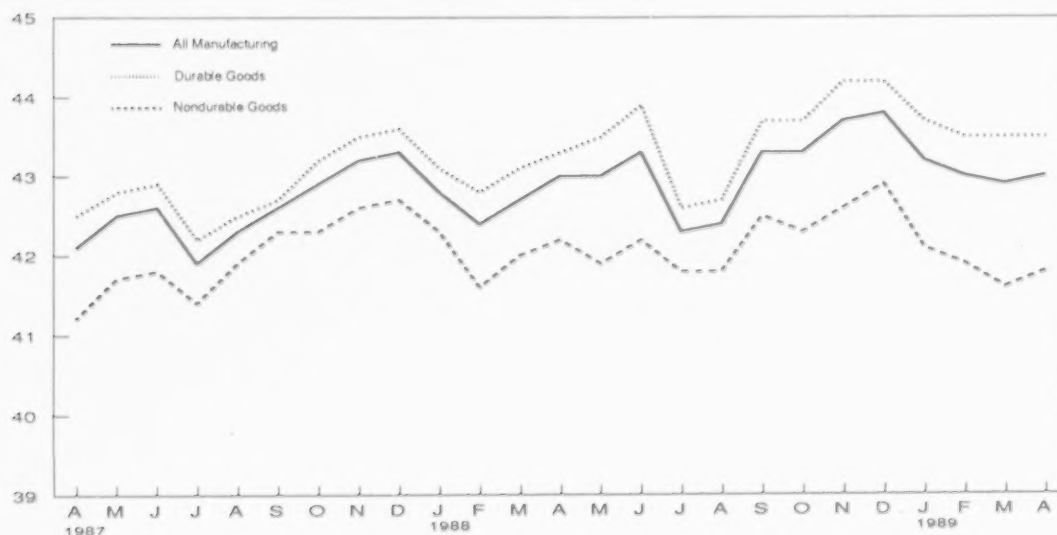
Ohio (continued)

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

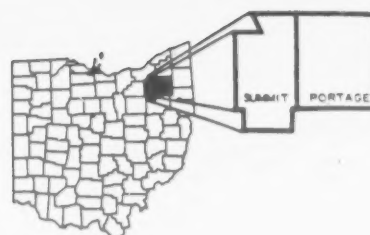
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Mining	\$579.04	\$570.24	\$539.30	43.8	43.2	42.7	\$13.22	\$13.20	\$12.63
Bituminous coal and lignite mining	700.34	700.77	652.13	42.6	42.6	42.1	16.44	16.45	15.49
Construction	604.69	593.54	560.71	39.6	39.1	38.3	15.27	15.18	14.64
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	577.73	568.83	559.63	40.8	40.4	40.7	14.16	14.08	13.75
Communication	544.68	535.86	533.97	39.7	39.2	39.7	13.72	13.67	13.45
Electric, gas, and sanitary services	614.88	606.52	590.79	42.0	41.8	41.9	14.64	14.51	14.10
Wholesale Trade	398.97	398.19	387.09	39.0	39.0	39.1	10.23	10.21	9.90
Wholesale trade-durable goods	389.00	389.00	382.59	38.9	38.9	39.2	10.00	10.00	9.76
Wholesale trade-nondurable goods	418.43	414.34	393.82	39.4	39.2	38.8	10.62	10.57	10.15
Retail Trade ^h	172.43	170.93	164.71	28.5	28.3	28.3	6.05	6.04	5.82
General merchandise stores	185.83	181.32	177.10	28.9	28.6	28.2	6.43	6.34	6.28
Department stores	190.31	186.12	181.40	29.1	28.9	28.3	6.54	6.44	6.41
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	269.37	269.11	266.61	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	277.13	276.61	264.15	.....	.....	.....	.....	.....	.....
Insurance carriers	388.20	391.76	372.02	.....	.....	.....	.....	.....	.....
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	347.19	346.54	337.95	32.6	32.6	33.1	10.65	10.63	10.21

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Average Weekly Hours of Production Workers
in Ohio Manufacturing Industries**



AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Akron metropolitan area totaled 279,300 in April, increasing 2,700 from March 1989. Seasonal gains in services, construction, and retail trade accounted for most of the improvement. Manufacturing employment, at 66,200, was unchanged over the month. Factory production workers averaged \$11.48 per hour, up \$.04 from March. Their average workweek of 42.6 hours was .1 hours shorter.

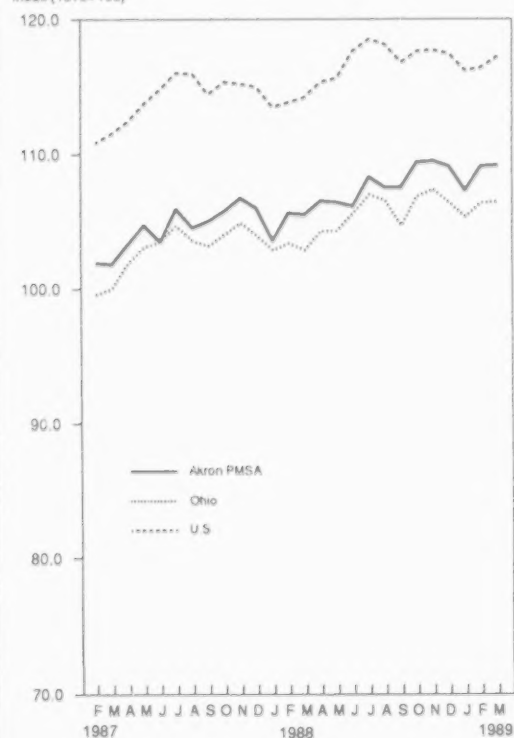
Nonagricultural payroll employment advanced 8,400 between April 1988 and April 1989. Leading growth industries were services, especially business services, and retail trade. Moderate expansion also occurred in state schools and colleges, wholesale trade, and construction. Manufacturing employment increased 200 over the year. Improvements in nonelectrical machinery and rubber and miscellaneous plastics products were partially offset by reductions in fabricated metal products and chemicals and allied products.

Indexes of Total Employment

Akron PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

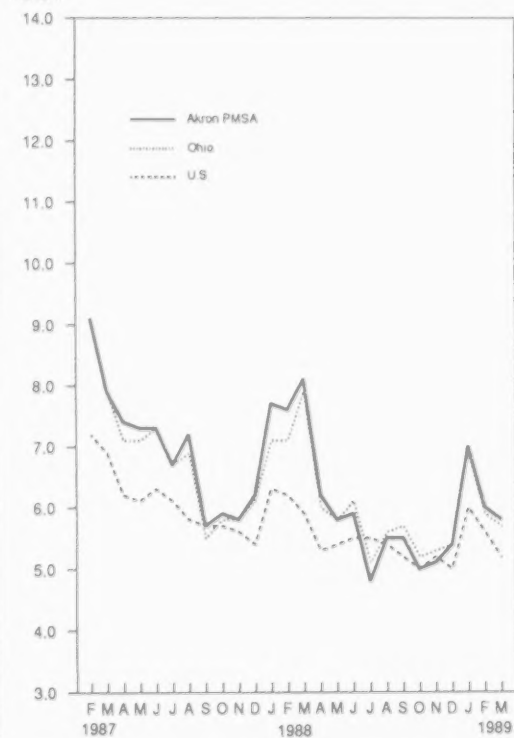


Unemployment Rates

Akron PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Percent



Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force			
Total	Employed	Unemployed	
		Total	Rate
298.9	282.2	16.7	5.6
303.8	285.4	18.4	6.1
304.5	278.3	26.2	8.6
304.1	274.9	29.1	9.6
303.9	268.0	35.9	11.8
302.5	265.2	37.3	12.3
316.5	285.8	30.6	9.7
317.8	289.9	28.0	8.8
320.4	294.8	25.6	8.0
320.3	297.5	22.7	7.1
325.3	305.6	19.7	6.0
327.8	301.2	26.6	8.1
324.0	304.0	19.9	6.2
322.4	303.8	18.6	5.8
322.0	302.9	19.1	5.9
324.5	309.1	15.5	4.8
324.7	306.7	17.9	5.5
324.8	306.9	17.9	5.5
328.7	312.2	16.5	5.0
329.3	312.4	16.9	5.1
329.3	311.3	17.9	5.4
329.4	306.2	23.2	7.0
331.3	311.4	19.9	6.0
330.7	311.6	19.1	5.8
INA	INA	INA	INA

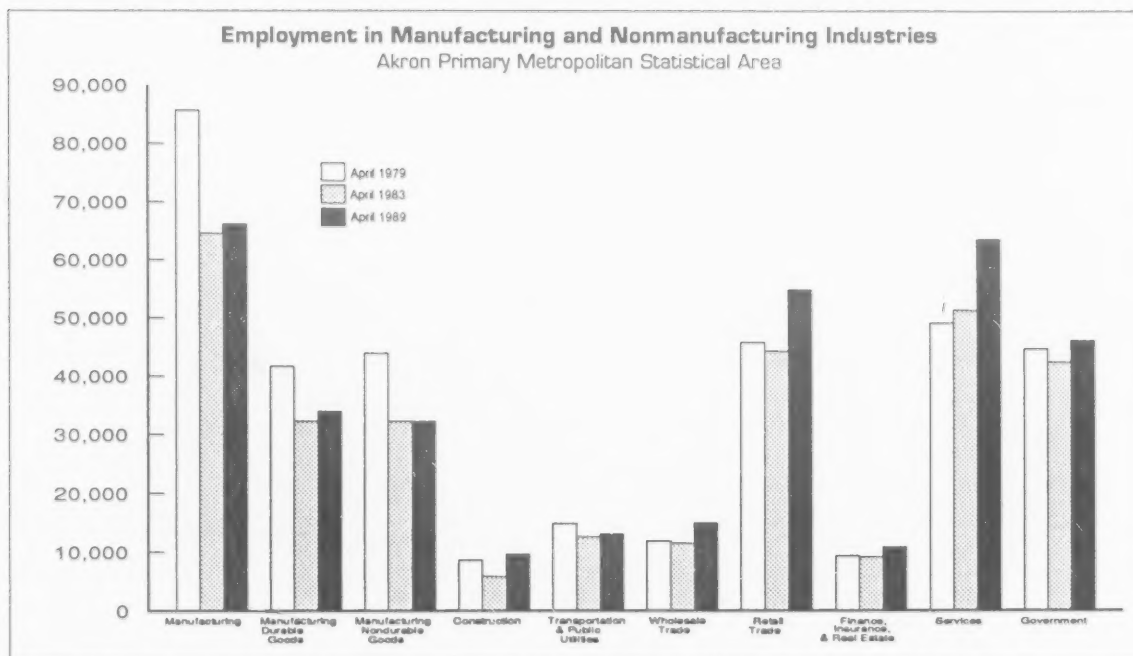
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988

1988
March
April
May
June
July
August
September
October
November
December

1989
January
February
March
April

Nonagricultural Wage & Salary Employment					
			Manufacturing Production Workers		
			Hours & Earnings		
			Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
266.6	85.9	49.4	\$304.14	42.3	\$ 7.19
270.9	85.6	53.8	321.57	41.6	7.73
262.4	79.1	47.5	361.88	41.5	8.72
259.5	75.7	43.7	397.10	41.8	9.50
248.8	68.3	36.9	403.03	41.0	9.83
244.7	65.2	33.4	452.12	43.1	10.49
252.2	67.9	38.0	470.65	43.7	10.77
257.6	68.1	37.3	475.20	43.2	11.00
260.7	67.2	36.4	484.70	43.2	11.22
265.1	66.4	36.5	487.03	43.1	11.30
271.9	65.8	37.5	496.37	43.2	11.49
268.3	65.7	37.3	495.07	43.2	11.46
270.8	65.9	37.3	512.60	43.7	11.73
273.8	65.8	37.6	504.88	43.3	11.66
270.4	66.4	38.0	518.62	44.1	11.76
270.6	66.0	37.7	493.93	43.1	11.46
269.0	64.8	36.5	480.53	42.6	11.28
276.8	65.4	37.3	489.89	43.2	11.34
277.2	65.4	37.5	488.78	42.8	11.42
281.7	67.0	39.2	496.78	42.9	11.58
279.7	66.6	39.0	493.06	43.1	11.44
268.3	66.8	39.1	489.77	42.7	11.47
273.8	66.3	38.9	483.36	42.4	11.40
276.6	66.1	38.7	488.49	42.7	11.44
279.3	66.2	39.0	489.05	42.6	11.48

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	279.3	276.6	270.8	2.7	8.4
Manufacturing	66.2	66.1	65.9	.0	.2
Durable Goods ^e	33.9	34.1	34.1	-.2	-.2
Fabricated metal products	11.0	10.9	11.1	.0	-.2
Machinery, except electrical	9.7	9.7	9.3	.0	.4
Metalworking machinery	3.4	3.5	3.2	.0	.2
Nondurable Goods ^f	32.2	32.0	31.8	.2	.4
Food and kindred products	2.8	2.8	2.9	.0	.0
Chemicals and allied products	3.6	3.5	3.8	.0	-.2
Rubber and misc. plastics products	19.3	19.3	19.1	.0	.2
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing ^g	213.1	210.5	204.9	2.7	8.2
Construction	9.5	8.7	8.9	.8	.7
Transportation and Public Utilities	13.0	13.0	12.8	.0	.2
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	15.0	14.8	14.1	.2	.8
Retail Trade	54.8	54.2	52.4	.6	2.5
General merchandise stores	6.4	6.4	6.1	.0	.2
Finance, Insurance, and Real Estate	10.7	10.6	10.6	.1	.1
Banking	3.1	3.1	3.1	.0	.0
Services	63.4	62.2	60.6	1.2	2.8
Business services	14.2	14.0	12.9	.2	1.4
Amusement and recreation services	3.2	2.8	2.9	.4	.3
Health services	20.3	20.4	19.8	-.1	.4
Government	46.1	46.3	45.0	-.2	1.0
State government	17.4	17.5	16.6	-.1	.8
State government education ^h	14.5	14.6	13.6	-.1	.9
State government, except education	2.9	2.9	3.0	.0	-.1
Local government	26.1	26.2	26.0	-.1	.1
Local government education	14.9	15.2	14.7	-.3	.2
Local government, except education	11.2	11.0	11.3	.2	-.1

Akron PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$489.05	\$488.49	\$512.60	42.6	42.7	43.7	\$11.48	\$11.44	\$11.73
Durable Goods ^e	500.55	507.60	534.26	42.6	43.2	43.9	11.75	11.75	12.17
Fabricated metal products	625.81	622.48	713.23	43.1	42.9	46.8	14.52	14.51	15.24
Machinery, except electrical	458.18	480.13	458.20	44.7	46.3	44.1	10.25	10.37	10.39
Metalworking machinery	469.80	509.65	476.41	43.5	46.8	45.2	10.80	10.89	10.54
Nondurable Goods ^f	472.60	462.42	481.74	42.5	42.0	43.4	11.12	11.01	11.10
Food and kindred products	429.09	434.30	443.93	42.4	43.0	42.4	10.12	10.10	10.47
Chemicals and allied products	526.38	513.95	496.78	42.9	42.3	42.9	12.27	12.15	11.58
Rubber and misc. plastics products	479.70	466.99	506.21	43.1	42.3	44.6	11.13	11.04	11.35
Tires and inner tubes	824.79	822.64	790.15	50.2	50.1	49.2	16.43	16.42	16.06
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	578.14	573.89	558.90	40.8	40.5	40.5	14.17	14.17	13.80
Wholesale Trade	352.69	350.97	349.65	37.6	37.1	37.8	9.38	9.46	9.25
Retail Trade ^h	213.53	207.05	194.38	32.6	32.1	31.1	6.55	6.45	6.25

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

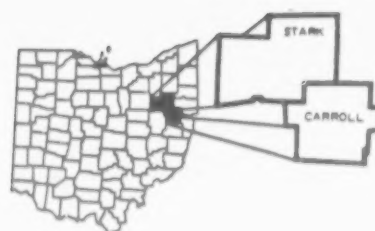
Selected Administrative Program Activities

Akron PMSA

	April 1989	March 1989	April 1988
Employment Service Program			
New Applicants	2,482	3,188	2,223
Active File of Job Seekers	18,414	18,938	17,652
Referrals to Jobs	1,769	2,601	1,006
Placements	258	686	347
Job Openings Received	786	951	1,013
Job Openings Unfilled	1,785	1,561	1,159
Unemployment Insurance Program			
Initial Claims	1,744	2,594	2,074
Continued Claims	23,590	33,945	26,945
First Payments	923	1,514 ^a	1,065
Last Payments	309	340	421
Weeks Compensated	22,159	32,214	24,925
Benefits Paid	\$3,430,270	\$5,008,274	\$3,840,322
Average Weekly Payment	\$159.20	\$160.44	\$157.23

^a Revised

CANTON METROPOLITAN STATISTICAL AREA



Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

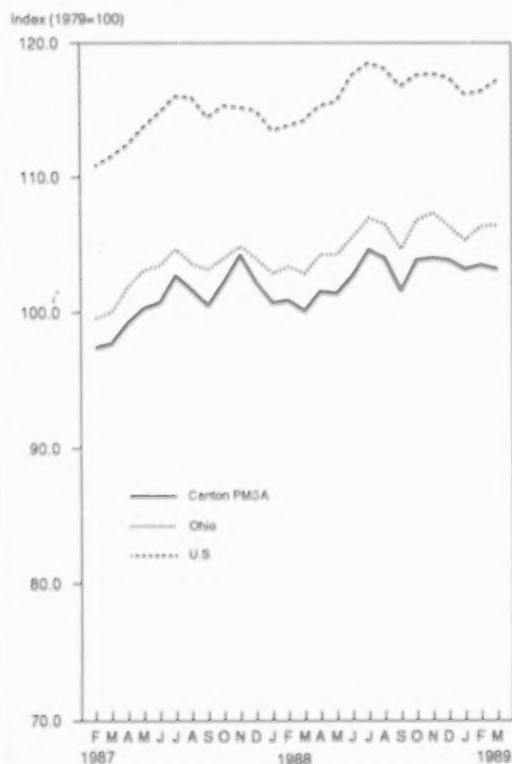
Nonagricultural payroll employment in the Canton metropolitan area increased 2,800 from March to 162,800 in April 1989. The gain was concentrated in the nonmanufacturing sector. Seasonal growth occurred in services, construction, and retail trade. The manufacturing workforce added 200 jobs over the month to 45,400. Factory production workers averaged \$11.76 per hour, up fractionally from March. Their average workweek of 42.5 hours was .2 hours longer.

Total nonfarm wage and salary employment advanced 4,900 between April 1988 and April 1989. A major portion of the improvement occurred in retail trade, services, and construction. Growth in primary metal industries and rubber and miscellaneous plastics products helped raise manufacturing employment 1,000 over the year.

Indexes of Total Employment

Canton MSA, Ohio and U.S.

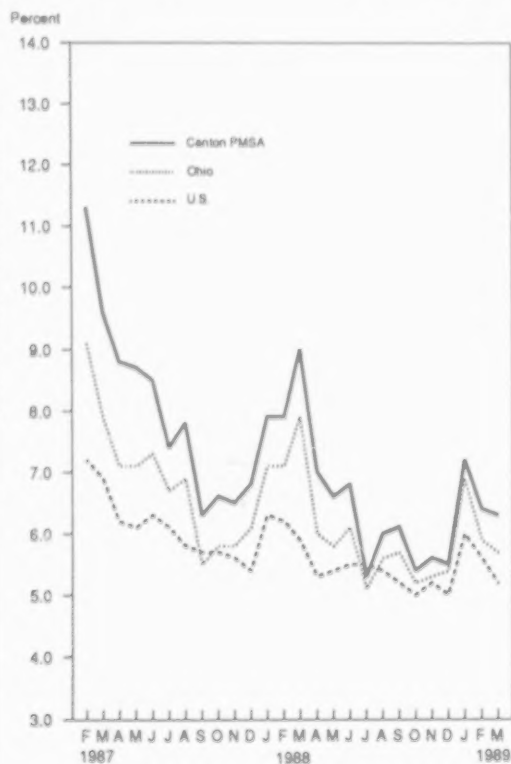
(Not Seasonally Adjusted)



Unemployment Rates

Canton MSA, Ohio and U.S.

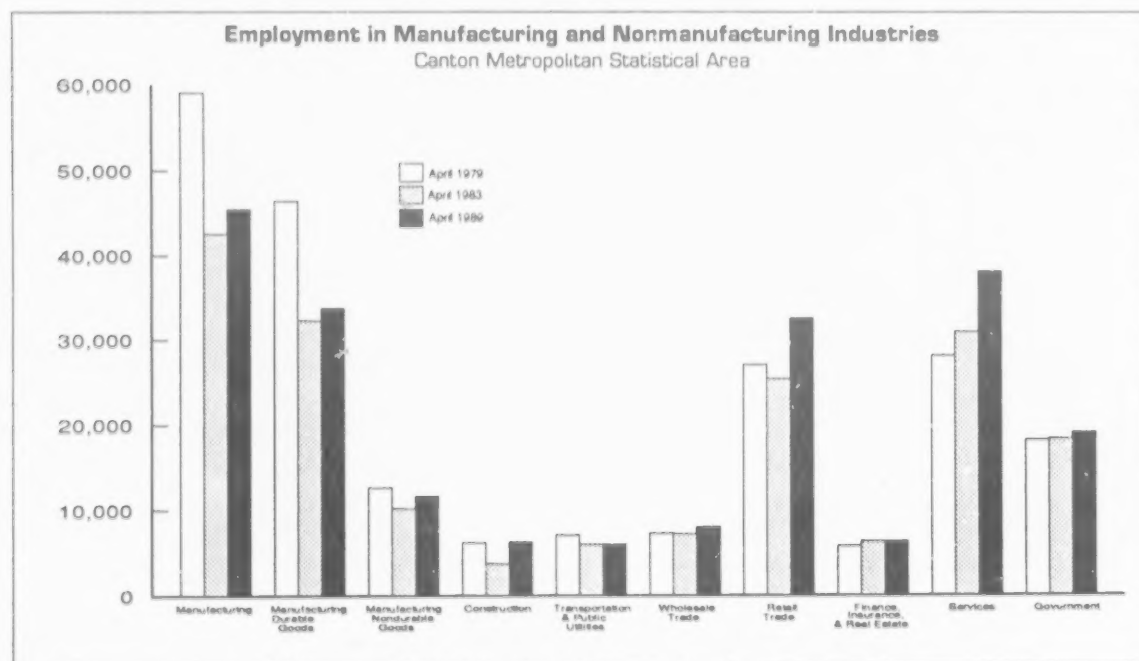
(Not Seasonally Adjusted)



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment							
					Manufacturing Employment					Manufacturing Production Workers		
										Hours & Earnings		
										Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
Total	Employed	Unemployed										
		Total	Rate									
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	\$304.67	40.3	\$ 7.56		
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09		
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79		
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76		
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22		
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66		
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83		
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95		
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21		
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34		
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41		
1988												
191.0	173.9	17.2	9.0	March	155.7	44.4	32.0	488.48	43.0	11.36		
189.5	176.3	13.2	7.0	April	157.9	44.4	31.5	493.34	43.2	11.42		
188.7	176.2	12.5	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39		
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35		
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25		
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27		
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44		
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51		
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44		
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61		
1989												
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61		
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52		
191.4	179.3	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75		
INA	INA	INA	INA	April	162.8	45.4	32.6	499.80	42.5	11.76		

INA - information not available



Canton MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	162.8	160.0	157.9	2.8	4.9
Manufacturing	45.4	45.2	44.4	.2	1.0
Durable Goods ^e	33.7	33.7	33.0	.1	.8
Primary metal industries	11.6	11.6	11.0	.0	.6
Fabricated metal products	6.6	6.6	6.6	.0	.0
Metal forgings and stampings	2.2	2.2	2.1	.0	.2
Nondurable Goods ^f	11.7	11.6	11.4	.1	.2
Food and kindred products	3.2	3.1	3.1	.0	.0
Rubber and misc. plastics products	3.0	3.1	3.0	.0	.1
Nonmanufacturing^g	117.4	114.7	113.5	2.6	3.9
Construction	6.3	5.6	5.5	.7	.7
Transportation and Public Utilities	6.0	5.8	5.6	.1	.4
Communication, electric, gas services	2.7	2.7	2.5	.0	.2
Wholesale Trade	8.0	8.0	7.9	.1	.2
Wholesale trade-durable goods	4.4	4.4	4.3	.0	.1
Retail Trade	32.6	31.9	31.3	.7	1.3
General merchandise stores	3.9	4.0	3.7	.0	.2
Food stores	5.7	5.6	5.2	.0	.4
Finance, Insurance, and Real Estate	6.3	6.3	6.4	.1	-.1
Banking	1.8	1.8	1.8	.0	.1
Services	38.1	37.2	36.8	.9	1.3
Health services	15.3	15.2	15.2	.1	.1
Government	19.2	19.2	19.1	.0	.1
State government (includes education)	1.7	1.7	1.8	.0	.0
Local government	16.1	16.0	15.9	.0	.2
Local government education	9.8	9.8	9.8	.0	.1
Local government, except education	6.3	6.2	6.2	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers^a

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$499.80	\$497.03	\$493.34	42.5	42.3	43.2	\$11.76	\$11.75	\$11.42
Durable Goods ^e	531.72	531.72	516.53	43.3	43.3	43.7	12.28	12.28	11.82
Primary metal industries	615.06	612.26	616.90	45.9	46.0	47.2	13.40	13.31	13.07
Fabricated metal products	491.82	493.74	431.14	42.0	42.2	41.1	11.71	11.70	10.49
Metal forgings and stampings	578.34	573.80	581.93	42.0	41.4	40.3	13.77	13.86	14.44
Nondurable Goods ^f	400.60	385.71	418.14	40.1	39.0	41.4	9.99	9.89	10.10
Food and kindred products	415.16	394.61	416.57	38.8	38.2	38.5	10.70	10.33	10.82
Rubber and misc. plastics products	406.30	402.11	430.68	41.8	41.2	42.1	9.72	9.76	10.23
Transportation and Public Utilities	575.09	551.04	585.01	40.7	39.7	42.3	14.13	13.88	13.83
Communication, electric, gas services ...	575.09	551.04	585.01	40.7	39.7	42.3	14.13	13.88	13.83
Wholesale Trade	387.60	384.92	381.78	38.0	37.7	37.8	10.20	10.21	10.10
Retail Trade ^h	162.71	163.02	157.90	28.2	28.5	28.4	5.77	5.72	5.56

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

Employment Service Program

New Applicants	1,248	1,459	1,380
Active File of Job Seekers	12,037	11,994	12,506
Referrals to Jobs	1,039	1,017	1,156
Placements	475	216	144
Job Openings Received	377	465	531
Job Openings Unfilled	589	1,023	833

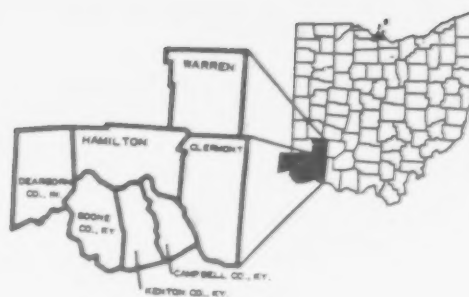
Unemployment Insurance Program

Initial Claims	2,032	2,899	1,422
Continued Claims	14,484	20,532	18,033
First Payments	1,065	1,110 ^a	723
Last Payments	170	233	269
Weeks Compensated	13,299	17,798	15,793
Benefits Paid	\$2,066,387	\$2,700,987	\$2,270,132
Average Weekly Payment	\$161.22	\$155.62	\$147.62

April 1989	March 1989	April 1988
1,248	1,459	1,380
12,037	11,994	12,506
1,039	1,017	1,156
475	216	144
377	465	531
589	1,023	833
2,032	2,899	1,422
14,484	20,532	18,033
1,065	1,110 ^a	723
170	233	269
13,299	17,798	15,793
\$2,066,387	\$2,700,987	\$2,270,132
\$161.22	\$155.62	\$147.62

^aRevised

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



In the Cincinnati metropolitan area, nonfarm payroll employment increased 10,700 from March to 721,800 in April 1989. Seasonal hirings in services, especially amusement and recreation services, retail trade, and construction accounted for most of the improvement. Manufacturing employment rose 500 to 145,600. Modest gains were recorded in transportation equipment and apparel and other textile products. Factory production workers averaged \$11.52 per hour, up \$.06 from March. Their average workweek was .6 hours longer at 43.1 hours.

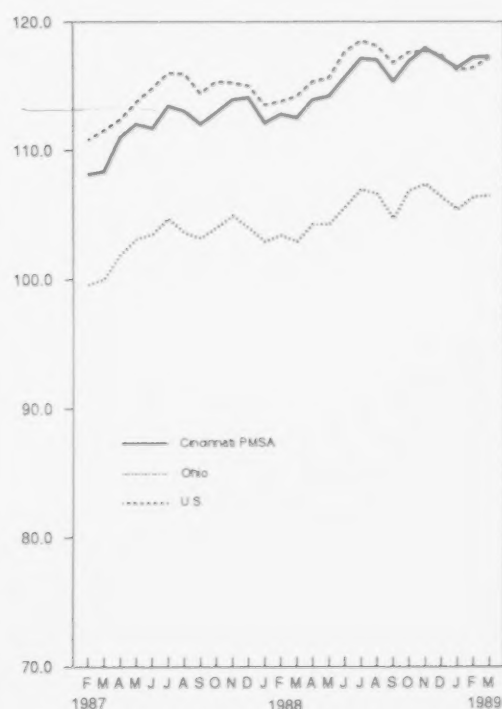
Nonagricultural wage and salary employment advanced 27,400 between April 1988 and April 1989. Primary growth sectors were services, especially business services, and retail trade. Significant increases were also recorded in construction and transportation and public utilities. The manufacturing workforce added 1,300 jobs over the year. Gains in food and kindred products, nonelectrical machinery, electric and electronic equipment, and apparel and other textile products more than offset a sizable reduction in transportation equipment.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

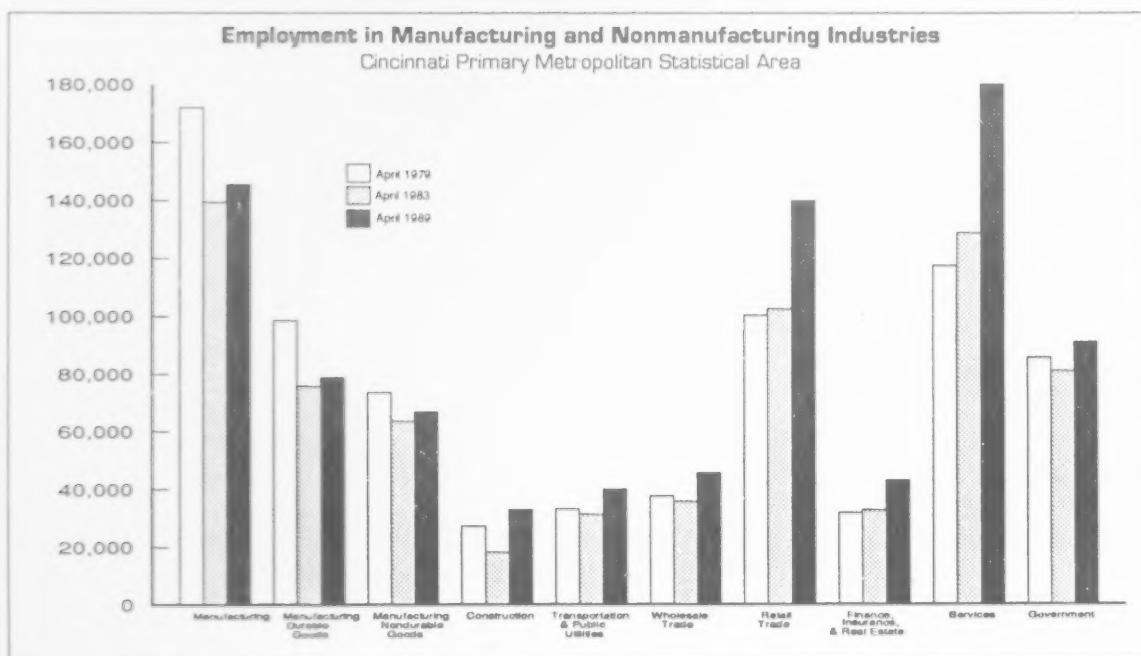
Index (1979=100)



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment		Manufacturing Production Workers			
		Total	Rate				Hours & Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
754.1	706.6	47.6	6.3	March	679.5	138.3	86.3	453.60	42.0	10.80
753.7	715.3	38.4	5.1	April	694.4	144.3	92.0	462.42	42.0	11.01
757.6	717.2	40.4	5.3	May	700.1	143.7	91.4	465.63	42.1	11.06
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
INA	INA	INA	INA	April	721.8	145.6	91.6	496.51	43.1	11.52

INA - information not available



Cincinnati PMSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	721.8	711.1	694.4	10.7	27.4
Manufacturing	145.6	145.1	144.3	.5	1.3
Durable Goods ^e	78.8	78.7	78.3	.1	.5
Fabricated metal products	10.9	10.8	10.7	.1	.2
Fabricated structural metal products	3.7	3.7	3.9	.0	-.2
Machinery, except electrical	21.1	21.2	20.7	-.1	.4
Metalworking machinery	8.5	8.6	8.6	-.1	-.1
General industrial machinery	3.1	3.1	3.0	.0	.1
Electric and electronic equipment	8.9	8.9	8.5	.1	.4
Transportation equipment	23.4	23.2	24.3	.2	-.9
Motor vehicles and equipment	5.1	5.0	4.9	.0	.2
Nondurable Goods ^f	66.8	66.4	65.9	.4	.8
Food and kindred products	13.0	13.0	12.4	.0	.5
Beverages	3.4	3.5	3.4	.0	.0
Apparel and other textile products	3.8	3.7	3.6	.2	.3
Paper and allied products	6.1	6.0	6.0	.1	.1
Printing and publishing	13.3	13.3	13.3	.1	.0
Commercial printing	6.3	6.2	6.1	.1	.2
Chemicals and allied products	22.5	22.6	22.3	-.1	.2
Rubber and misc. plastics products	6.0	5.9	6.1	.1	-.1
Nonmanufacturing^g	576.2	566.0	550.1	10.2	26.1
Construction	33.1	31.0	29.8	2.1	3.2
Transportation and Public Utilities	40.0	39.4	37.4	.6	2.6
Trucking and warehousing	11.2	11.1	10.3	.2	.9
Communication, electric, gas services	15.6	15.5	15.2	.2	.4
Wholesale Trade	45.7	45.4	43.9	.3	1.8
Wholesale trade-durable goods	26.9	26.7	25.8	.2	1.1
Retail Trade	140.0	137.1	132.5	2.8	7.4
General merchandise stores	20.0	20.1	19.2	-.1	.8
Finance, Insurance, and Real Estate	43.0	42.6	41.8	.4	1.2
Banking	9.4	9.3	8.9	.0	.5
Insurance carriers	14.4	14.4	14.4	.0	-.1
Services	183.1	179.2	175.1	4.0	8.0
Hotels and other lodging places	7.6	7.3	7.2	.3	.4
Personal services	9.8	9.7	9.2	.1	.6
Business services	45.5	45.0	41.2	.5	4.3
Amusement and recreation services	8.6	6.9	9.6	1.7	-.9
Health services	55.0	54.9	53.4	.2	1.7
Hospitals	26.2	26.1	25.4	.1	.8
Government	90.9	91.0	89.1	-.1	1.7
Federal government	16.1	16.0	15.9	.1	.3
State government	21.0	21.3	20.3	-.2	.7
State government education	13.2	13.4	12.6	-.2	.6
State government, except education	7.9	7.9	7.8	.0	.1
Local government	53.7	53.7	53.0	.1	.8
Local government education	30.5	30.8	30.6	-.3	-.1
Local government, except education	23.2	22.9	22.4	.4	.8

Cincinnati PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$496.51	\$487.05	\$462.42	43.1	42.5	42.0	\$11.52	\$11.46	\$11.01
Durable Goods ^e	500.53	486.92	456.79	43.6	42.9	42.1	11.48	11.35	10.85
Fabricated metal products	427.00	415.23	416.37	42.7	41.9	42.1	10.00	9.91	9.89
Fabricated structural metal products	477.74	443.89	426.86	44.4	42.6	42.9	10.76	10.42	9.95
Machinery, except electrical	437.99	431.76	428.24	42.4	42.0	42.4	10.33	10.28	10.10
Metalworking machinery	490.81	498.18	490.42	44.7	44.8	43.4	10.98	11.12	11.30
General industrial machinery	428.28	402.38	423.72	41.5	40.4	44.0	10.32	9.96	9.63
Electric and electronic equipment	358.67	364.10	328.64	40.3	40.5	38.8	8.90	8.99	8.47
Transportation equipment	814.11	789.52	673.95	49.4	48.2	44.9	16.48	16.38	15.01
Motor vehicles and equipment	898.14	887.54	834.16	50.8	50.4	49.3	17.68	17.61	16.92
Nondurable Goods ^f	491.30	487.52	468.72	42.5	42.1	42.0	11.56	11.58	11.16
Food and kindred products	506.32	498.85	487.21	42.8	42.6	41.5	11.83	11.71	11.74
Beverages	511.81	511.00	519.17	40.3	40.3	41.6	12.70	12.68	12.48
Apparel and other textile products	241.78	231.86	229.46	38.5	37.7	38.5	6.28	6.15	5.96
Paper and allied products	477.80	471.24	424.30	44.2	44.0	42.6	10.81	10.71	9.96
Printing and publishing	456.67	479.70	457.14	40.2	41.0	40.1	11.36	11.70	11.40
Commercial printing	474.55	521.33	487.92	41.7	43.3	42.8	11.38	12.04	11.40
Chemicals and allied products	590.98	574.34	547.26	43.2	42.2	42.0	13.68	13.61	13.03
Rubber and misc. plastics products	431.30	422.81	434.78	45.4	44.6	46.5	9.50	9.48	9.35
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	589.76	574.65	545.76	41.3	40.9	40.1	14.28	14.05	13.61
Wholesale Trade	424.35	420.66	398.38	41.0	41.0	40.2	10.35	10.26	9.91
Retail Trade ^h	169.60	165.82	166.73	28.6	28.2	29.2	5.93	5.88	5.71
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	264.72	262.25	260.41	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

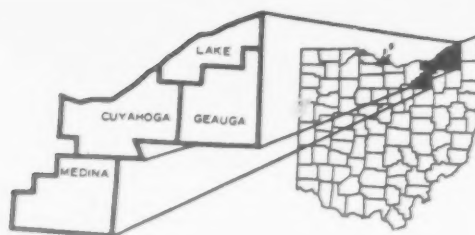
Selected Administrative Program Activities^a

Cincinnati PMSA

	April 1989	March 1989	April 1988
Employment Service Program			
New Applicants	2,488	2,688	2,439
Active File of Job Seekers	17,369	17,578	22,591
Referrals to Jobs	1,684	1,776	1,754
Placements	324	390	421
Job Openings Received	1,024	1,060	1,068
Job Openings Unfilled	1,823	1,715	2,082
Unemployment Insurance Program			
Initial Claims	3,288	3,702	3,699
Continued Claims	31,624	45,758	45,097
First Payments	1,540	2,589 ^b	1,929
Last Payments	505	554	650
Weeks Compensated	27,909	42,848	35,848
Benefits Paid	\$4,382,863	\$6,803,599	\$5,540,033
Average Weekly Payment	\$162.74	\$163.51	\$157.39

^a Ohio data only
^b Revised

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Cleveland metropolitan area increased 8,000 from March to 917,300 in April 1989. Seasonal growth in services, especially amusement and recreation services and business services, retail trade, and construction raised nonmanufacturing employment 8,200. Employment in local government, except education declined due to a labor-management dispute. Scattered declines among producers of durable goods lowered manufacturing employment 200 to 204,700. Factory production workers averaged \$12.00 per hour, down fractionally from March. Their average workweek of 43.3 hours was .2 hours shorter.

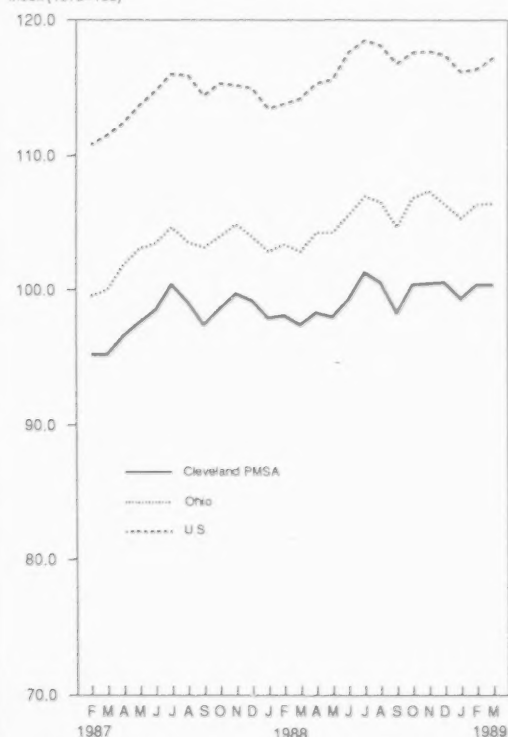
Nonfarm payroll employment advanced 22,400 between April 1988 and April 1989. The nonmanufacturing sector provided 79.5 percent of the gain with significant expansion in services, retail trade, finance, insurance, and real estate, and wholesale trade. Manufacturing employment increased 4,500. Noteworthy growth occurred in nonelectrical machinery, fabricated metal products, transportation equipment, and chemicals and allied products.

Indexes of Total Employment

Cleveland PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

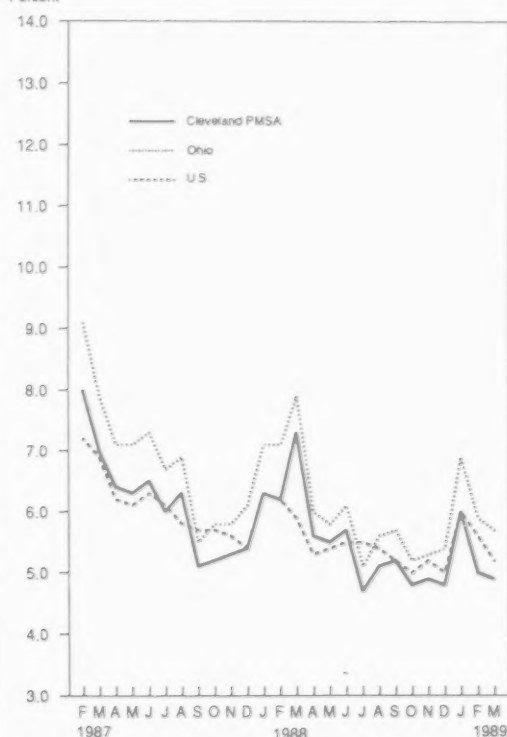


Unemployment Rates

Cleveland PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

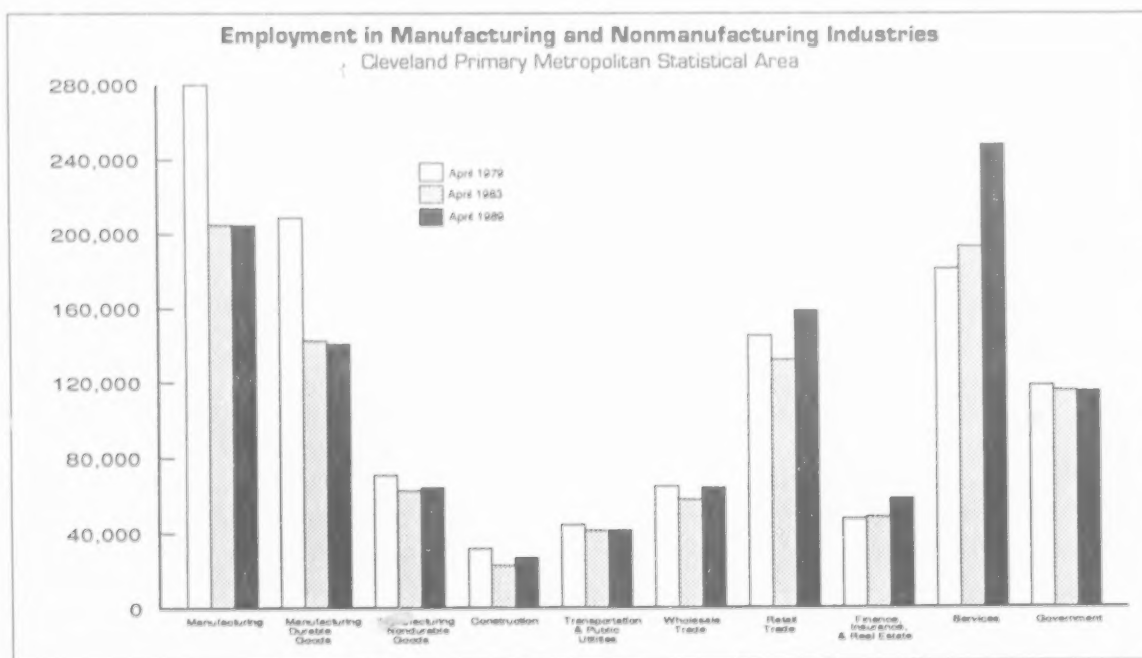
Percent



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	\$321.75	42.9	\$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	32.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
934.5	866.4	68.1	7.3	March	886.5	200.2	128.5	510.26	43.5	11.73
925.5	873.9	51.6	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81
922.0	871.3	50.7	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83
936.6	883.0	53.5	5.7	June	911	202.2	130.4	518.28	43.7	11.86
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.4	892.3	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
INA	INA	INA	INA	April	917.3	204.7	132.4	519.60	43.3	12.00

INA - information not available



Nonagricultural Wage and Salary Employment^a

Cleveland PMSA

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	917.3	909.3	894.9	8.0	22.4
Manufacturing	204.7	204.9	200.1	-2	4.5
Durable Goods ^e	140.8	141.0	137.2	-2	3.6
Primary metal industries	21.5	21.6	21.4	-.1	.1
Iron and steel foundries	4.5	4.6	4.8	.0	-.3
Fabricated metal products	32.9	32.8	32.3	.1	.6
Fabricated structural metal products	4.2	4.1	3.8	.1	.4
Screw machine products, bolts, etc.	5.0	5.0	4.9	.0	.1
Metal forgings and stampings	11.1	11.1	11.0	.0	.1
Machinery, except electrical	30.7	30.8	29.4	-.1	1.3
Construction and related machinery	2.6	2.5	2.6	.0	.0
Metalworking machinery	10.4	10.4	9.8	-.1	.6
Special industry machinery	2.6	2.7	2.5	.0	.1
General industrial machinery	3.2	3.2	3.0	.0	.2
Electric and electronic equipment	18.0	18.1	17.7	-.1	.3
Electrical industrial apparatus	6.7	6.7	6.1	.0	.6
Transportation equipment	19.7	19.8	19.1	-.2	.6
Motor vehicles and equipment	12.5	12.6	11.8	-.1	.7
Instruments and related products	6.5	6.5	6.5	.0	.0
Measuring and controlling devices	4.4	4.4	4.4	.0	.1
Nondurable Goods ^f	63.9	63.9	63.0	.0	1.0
Food and kindred products	6.6	6.5	6.6	.0	.0
Apparel and other textile products	3.5	3.6	3.6	-.1	-.1
Paper and allied products	5.8	5.9	5.9	-.1	.0
Printing and publishing	16.0	16.0	15.8	.1	.2
Chemicals and allied products	15.2	15.1	14.8	.0	.4
Rubber and misc. plastics products	11.5	11.5	11.2	-.1	.3
Nonmanufacturing^g	712.6	704.4	694.8	8.2	17.8
Construction	26.6	24.6	26.0	1.9	.6
Transportation and Public Utilities	41.2	40.6	40.8	.6	.4
Trucking and warehousing	12.0	11.9	11.8	.1	.2
Communication, electric, gas services	17.2	17.2	17.4	.0	-.2
Wholesale Trade	63.9	63.6	62.1	.3	1.8
Wholesale trade-durable goods	44.4	44.2	43.2	.2	1.2
Retail Trade	158.7	156.4	154.5	2.4	4.2
General merchandise stores	20.5	20.5	20.0	-.1	.5
Finance, Insurance, and Real Estate	58.1	57.8	56.0	.3	2.1
Banking	14.1	14.2	14.0	.0	.2
Credit agencies other than banks	8.8	8.8	8.7	.0	.1
Insurance carriers	14.5	14.4	13.8	.1	.7
Services	247.9	242.9	237.7	5.0	10.2
Business services	57.3	56.0	53.6	1.3	3.7
Amusement and recreation services	7.0	5.7	7.4	1.4	-.3
Health services	78.3	78.2	76.2	.1	2.2
Hospitals	43.9	43.8	43.5	.1	.4
Government	115.2	117.5	116.7	-2.3	-1.5
Federal government	20.6	20.6	20.9	.0	-.3
State government	8.7	8.4	8.7	.3	.0
State government education	3.4	3.5	3.4	.0	.1
State government, except education	5.3	5.0	5.3	.3	.0
Local government	86.0	88.5	87.2	-2.6	-1.2
Local government education	45.0	45.4	44.4	-.4	.6
Local government, except education	41.0	43.1	42.8	-2.1	-1.8

Cleveland PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$519.60	\$522.44	\$512.55	43.3	43.5	43.4	\$12.00	\$12.01	\$11.81
Durable Goods ^e	549.56	554.19	549.32	44.0	44.3	44.3	12.49	12.51	12.40
Primary metal industries	547.01	545.46	594.27	44.4	44.6	46.5	12.32	12.23	12.78
Iron and steel foundries	917.25	874.87	861.91	51.1	49.4	49.0	17.95	17.71	17.59
Fabricated metal products	552.42	546.04	543.84	44.3	44.0	44.0	12.47	12.41	12.36
Fabricated structural metal products ..	439.35	425.00	388.63	43.5	42.5	39.9	10.10	10.00	9.74
Screw machine products, bolts, etc.	558.39	550.91	535.68	44.6	44.5	46.1	12.52	12.38	11.62
Metal forgings and stampings	685.37	675.42	682.76	45.6	45.3	45.7	15.03	14.91	14.94
Machinery, except electrical	533.11	557.51	512.60	44.5	45.4	43.7	11.98	12.28	11.73
Construction and related machinery ...	430.84	432.51	404.95	44.6	45.1	44.5	9.66	9.59	9.10
Metalworking machinery	511.49	510.24	444.14	44.4	44.1	41.2	11.52	11.57	10.78
Special industry machinery	500.98	490.98	475.78	42.6	42.0	40.7	11.76	11.69	11.69
General industrial machinery	528.50	527.14	500.34	45.6	45.6	44.2	11.59	11.56	11.32
Electric and electronic equipment	461.62	475.51	445.63	41.7	42.8	41.3	11.07	11.11	10.79
Electrical industrial apparatus	529.13	550.70	509.95	43.3	45.4	43.4	12.22	12.13	11.75
Transportation equipment	738.06	739.63	761.42	45.7	45.6	48.1	16.15	16.22	15.83
Motor vehicles and equipment	826.38	832.48	855.54	46.9	46.9	49.0	17.62	17.75	17.46
Instruments and related products	404.74	407.88	398.40	40.8	41.2	41.2	9.92	9.90	9.67
Measuring and controlling devices	444.56	445.20	411.06	41.9	42.0	40.3	10.61	10.60	10.20
Nondurable Goods ^f	442.81	440.50	424.98	41.5	41.4	41.3	10.67	10.64	10.29
Food and kindred products	455.18	476.23	388.93	42.5	44.3	41.2	10.71	10.75	9.44
Apparel and other textile products	338.83	336.88	325.44	37.9	38.5	39.4	8.94	8.75	8.26
Paper and allied products	466.20	469.53	475.59	42.0	42.3	42.2	11.10	11.10	11.27
Printing and publishing	428.61	407.91	410.51	39.0	37.7	37.8	10.99	10.82	10.86
Chemicals and allied products	546.04	544.07	514.84	44.0	43.7	43.3	12.41	12.45	11.89
Rubber and misc. plastics products	381.70	381.74	384.50	42.6	42.7	43.3	8.96	8.94	8.88
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	606.23	599.35	569.64	41.1	40.8	40.4	14.75	14.69	14.10
Wholesale Trade	429.46	426.49	408.95	39.4	39.6	38.8	10.90	10.77	10.54
Retail Trade ^h	185.23	183.74	183.70	27.2	27.1	27.5	6.81	6.78	6.68
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	304.02	306.81	303.50	.....	.....	.....	.....	.....	.....
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	345.68	346.30	341.15	30.7	30.7	31.5	11.26	11.28	10.83

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

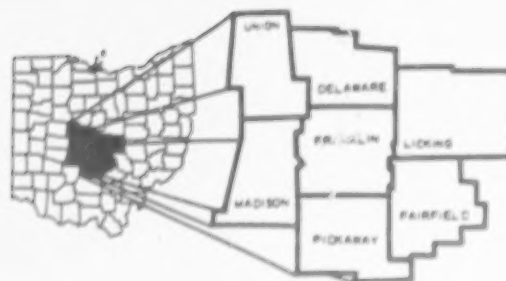
Selected Administrative Program Activities

Cleveland PMSA

	April 1989	March 1989	April 1988
Employment Service Program			
New Applicants	4,058	5,102	3,769
Active File of Job Seekers	60,105	58,821	61,802
Referrals to Jobs	2,132	2,529	1,881
Placements	246	924	358
Job Openings Received	1,272	1,363	1,387
Job Openings Unfilled	3,665	3,360	3,020
Unemployment Insurance Program			
Initial Claims	4,486	5,921	5,742
Continued Claims	52,186	74,461	67,469
First Payments	1,999	3,277 ^a	2,550
Last Payments	849	817	1,074
Weeks Compensated	47,141	67,930	60,709
Benefits Paid	\$7,532,202	\$10,988,586	\$9,509,761
Average Weekly Payment	\$162.78	\$160.09	\$158.94

^a Revised

COLUMBUS METROPOLITAN STATISTICAL AREA



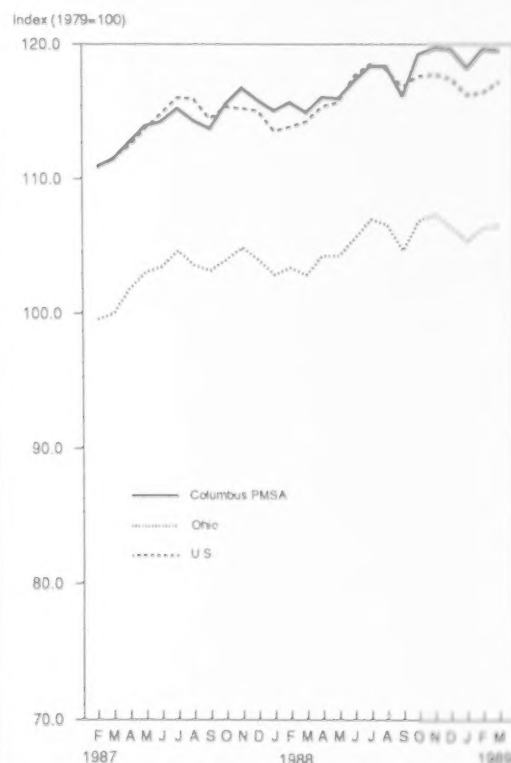
Total nonfarm wage and salary employment in the Columbus metropolitan area rose 7,900 from March to 696,000 in April 1989. Seasonal hirings in services, construction, and retail trade accounted for most of the change. Scattered decreases among producers of nondurable goods lowered manufacturing employment 100 to 103,000. Factory production workers averaged \$11.90 per hour, up fractionally from March. Their average workweek of 41.5 hours was unchanged.

Nonagricultural payroll employment advanced 25,400 between April 1988 and April 1989. The gain was concentrated in the nonmanufacturing sector. Leading growth industries were services and retail trade. Construction, local government, wholesale trade, finance, insurance, and real estate, and transportation and public utilities also improved. The manufacturing workforce added 1,400 jobs over the year. Modest expansion was noted in transportation equipment, fabricated metal products, and stone, clay, and glass products. Employment in nonelectrical machinery and food and kindred products declined.

Indexes of Total Employment

Columbus MSA, Ohio and U.S.

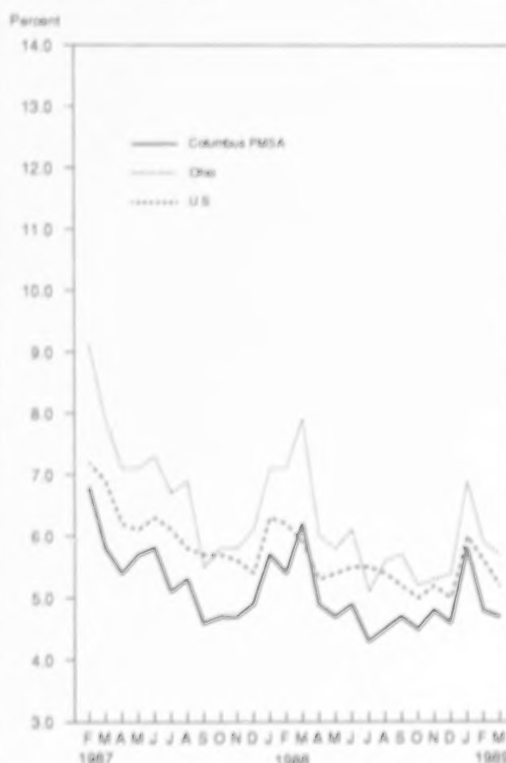
(Not Seasonally Adjusted)



Unemployment Rates

Columbus MSA, Ohio and U.S.

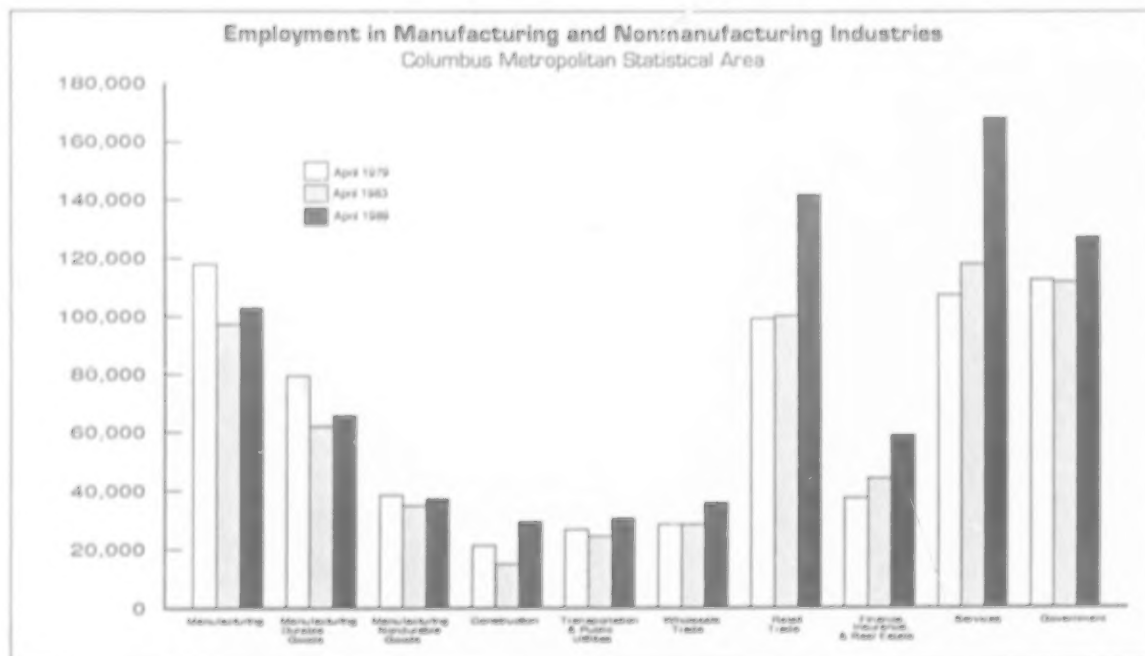
(Not Seasonally Adjusted)



Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

					Nonagricultural Wage & Salary Employment							
										Manufacturing Employment		
										Manufacturing Production Workers		
Civilian Labor Force												
Total	Employed	Unemployed										
		Total	Rate	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings						
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA		
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA		
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA		
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA		
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA		
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA		
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52		
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83		
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22		
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41		
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57		
706.8	663.3	43.5	6.2	1988 March	664.1	101.0	66.5	474.54	41.3	11.49		
704.0	669.8	34.2	4.9	1988 April	670.5	101.6	67.1	482.47	41.7	11.57		
702.5	669.5	33.0	4.7	1988 May	677.6	101.8	67.3	480.24	41.4	11.60		
711.8	676.8	35.0	4.9	1988 June	681.6	102.7	68.1	480.16	41.5	11.57		
713.7	683.2	30.5	4.3	1988 July	675.0	102.4	67.7	475.45	41.2	11.54		
715.4	683.1	32.3	4.5	1988 August	676.7	102.8	68.2	471.65	40.8	11.56		
703.2	670.4	32.8	4.7	1988 September	683.6	103.9	68.9	481.48	41.4	11.63		
720.8	688.5	32.3	4.5	1988 October	691.7	103.9	69.0	486.22	41.7	11.66		
725.5	691.0	34.5	4.8	1988 November	700.0	104.1	69.1	489.39	41.9	11.68		
723.8	690.6	33.2	4.6	1988 December	698.6	104.0	68.8	492.74	41.9	11.76		
724.3	682.6	41.7	5.8	1989 January	681.7	103.2	68.1	486.38	41.5	11.72		
725.3	690.5	34.8	4.8	1989 February	683.4	103.2	67.8	491.78	41.5	11.85		
724.6	690.2	34.4	4.7	1989 March	688.2	103.0	67.8	493.44	41.5	11.89		
INA	INA	INA	INA	1989 April	696.0	103.0	67.8	493.85	41.5	11.90		

INA - information not available



Columbus MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	696.0	688.2	670.6	7.9	25.4
Manufacturing	103.0	103.0	101.6	-.1	1.4
Durable Goods ^e	65.8	65.8	64.1	.1	1.7
Stone, clay, and glass products	10.3	10.2	10.0	.1	.3
Glass and glassware, pressed or blown ..	3.3	3.3	3.3	.0	.1
Fabricated metal products	9.5	9.5	8.9	.0	.6
Fabricated structural metal products	2.6	2.5	2.4	.0	.1
Machinery, except electrical	9.5	9.6	9.9	-.1	-.4
Electric and electronic equipment	10.5	10.4	10.5	.0	.0
Transportation equipment	13.1	13.1	12.4	.0	.7
Instruments and related products	4.2	4.2	4.1	.0	.1
Nondurable Goods ^f	37.1	37.3	37.4	-.1	-.3
Food and kindred products	10.0	10.1	10.3	-.1	-.3
Printing and publishing	10.6	10.7	10.3	-.1	.2
Chemicals and allied products	6.6	6.6	6.7	.0	-.1
Rubber and misc. plastics products	5.5	5.5	5.4	.1	.1
Nonmanufacturing ^g	593.0	585.1	569.1	7.9	24.0
Construction	29.5	27.2	26.7	2.2	2.8
Transportation and Public Utilities	30.5	30.2	29.2	.3	1.3
Trucking and warehousing	12.8	12.7	12.0	.1	.8
Communication, electric, gas services	11.9	11.9	12.0	.0	-.1
Wholesale Trade	35.9	35.6	34.3	.2	1.6
Wholesale trade-durable goods	23.1	22.9	22.1	.1	.9
Retail Trade	141.7	139.8	135.7	1.9	6.0
General merchandise stores	19.6	19.5	20.2	.1	-.6
Finance, Insurance, and Real Estate	59.0	58.7	57.5	.4	1.5
Banking	11.7	11.7	11.4	.0	.3
Insurance carriers	23.5	23.4	23.1	.1	.4
Services	168.3	165.4	160.3	2.9	8.0
Business services	39.7	39.0	36.5	.7	3.2
Health services	42.5	42.3	40.8	.1	1.6
Hospitals	19.5	19.4	18.8	.0	.7
Government	127.3	127.3	124.5	.0	2.8
Federal government	15.2	15.3	15.4	-.1	-.2
State government	56.1	56.0	55.1	.1	1.0
State government education ^h	24.2	24.2	24.1	.0	.1
State government, except education	31.9	31.7	31.1	.2	.9
Local government	56.0	56.0	54.0	.0	2.0
Local government education	34.2	34.4	32.9	-.2	1.3
Local government, except education	21.8	21.6	21.1	.2	.7

Columbus MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$493.85	\$493.44	\$482.47	41.5	41.5	41.7	\$11.90	\$11.89	\$11.57
Durable Goods ^e	499.20	499.15	492.40	41.6	41.7	41.8	12.00	11.97	11.78
Stone, clay, and glass products	510.19	510.07	475.38	43.2	43.3	40.7	11.81	11.78	11.68
Glass and glassware, pressed or blown	457.13	453.11	436.11	41.9	41.8	39.9	10.91	10.84	10.93
Fabricated metal products	509.22	496.92	521.59	41.0	40.4	41.2	12.42	12.30	12.66
Fabricated structural metal products	455.43	434.19	459.64	40.7	39.4	41.9	11.19	11.02	10.97
Machinery, except electrical	455.22	449.25	453.26	40.5	40.4	42.4	11.24	11.12	10.69
Electric and electronic equipment	455.47	459.49	464.02	40.2	40.2	41.1	11.33	11.42	11.29
Transportation equipment	595.86	607.62	611.53	42.2	42.7	43.9	14.12	14.23	13.93
Instruments and related products	419.75	432.07	418.72	39.9	40.8	40.3	10.52	10.59	10.39
Nondurable Goods ^f	484.38	482.45	462.02	41.4	41.2	41.4	11.70	11.71	11.16
Food and kindred products	465.86	452.76	450.69	42.7	42.0	41.5	10.91	10.78	10.86
Printing and publishing	573.67	570.49	535.27	39.7	39.7	39.3	14.45	14.37	13.62
Chemicals and allied products	593.47	608.45	557.94	42.3	43.0	42.3	14.03	14.15	13.19
Rubber and misc. plastics products	355.59	356.66	358.68	40.5	40.7	42.7	8.78	8.85	8.40
Transportation and Public Utilities	580.56	572.46	600.35	41.0	40.6	42.1	14.16	14.10	14.26
Communication, electric, gas services	580.56	572.46	600.35	41.0	40.6	42.1	14.16	14.10	14.26
Wholesale Trade	364.60	357.92	345.00	37.9	37.4	37.5	9.62	9.57	9.20
Retail Trade ^h	186.97	188.29	178.64	28.2	28.4	28.4	6.63	6.63	6.29
Finance, Insurance, and Real Estate	276.45	272.93	263.15	33.7	33.7	34.0	10.81	10.73	9.84
Banking	276.45	272.93	263.15	33.7	33.7	34.0	10.81	10.73	9.84
Services	364.30	361.60	334.56	33.7	33.7	34.0	10.81	10.73	9.84
Health services	364.30	361.60	334.56	33.7	33.7	34.0	10.81	10.73	9.84
Hospitals	364.30	361.60	334.56	33.7	33.7	34.0	10.81	10.73	9.84

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

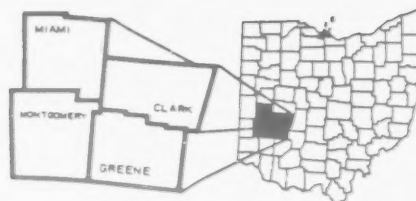
Selected Administrative Program Activities

Columbus MSA

	April 1989	March 1989	April 1988
Employment Service Program			
New Applicants	4,066	5,159	3,935
Active File of Job Seekers	31,659	32,498	31,784
Referrals to Jobs	2,307	2,396	2,536
Placements	484	647	570
Job Openings Received	1,060	1,380	1,656
Job Openings Unfilled	2,322	2,062	2,598
Unemployment Insurance Program			
Initial Claims	2,985	4,029	3,518
Continued Claims	37,636	52,016	41,118
First Payments	1,434	2,498 ^a	1,817
Last Payments	636	511	796
Weeks Compensated	33,619	48,038	35,896
Benefits Paid	\$5,457,812	\$7,830,719	\$5,645,024
Average Weekly Payment	\$168.69	\$168.47	\$160.72

^a Revised

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Dayton-Springfield metropolitan area rose 5,700 from March to 447,000 in April 1989. Seasonal hirings in construction, services, retail trade, and federal government accounted for the improvement. Manufacturing employment declined 200 to 104,700. Losses were noted in nonelectrical machinery, transportation equipment, and food and kindred products. Factory production workers averaged \$13.03 per hour, little changed from March. Their average workweek of 43.7 hours was .4 hours longer.

Total nonfarm wage and salary employment advanced 13,600 between April 1988 and April 1989. Leading growth industries were services, especially business and health services, retail trade, and construction. The manufacturing workforce added 300 jobs over the year. Modest growth occurred in nonelectrical machinery and food and kindred products. Employment in transportation equipment, printing and publishing, and rubber and miscellaneous plastics products declined.

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

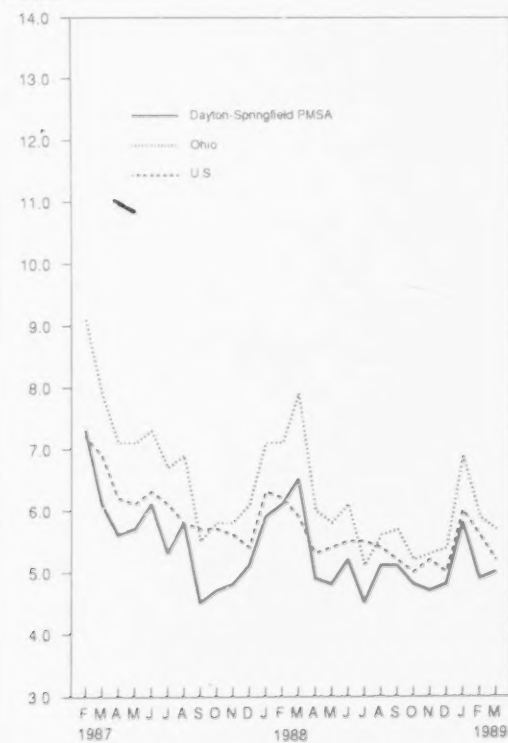


Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S.

(Not Seasonally Adjusted)

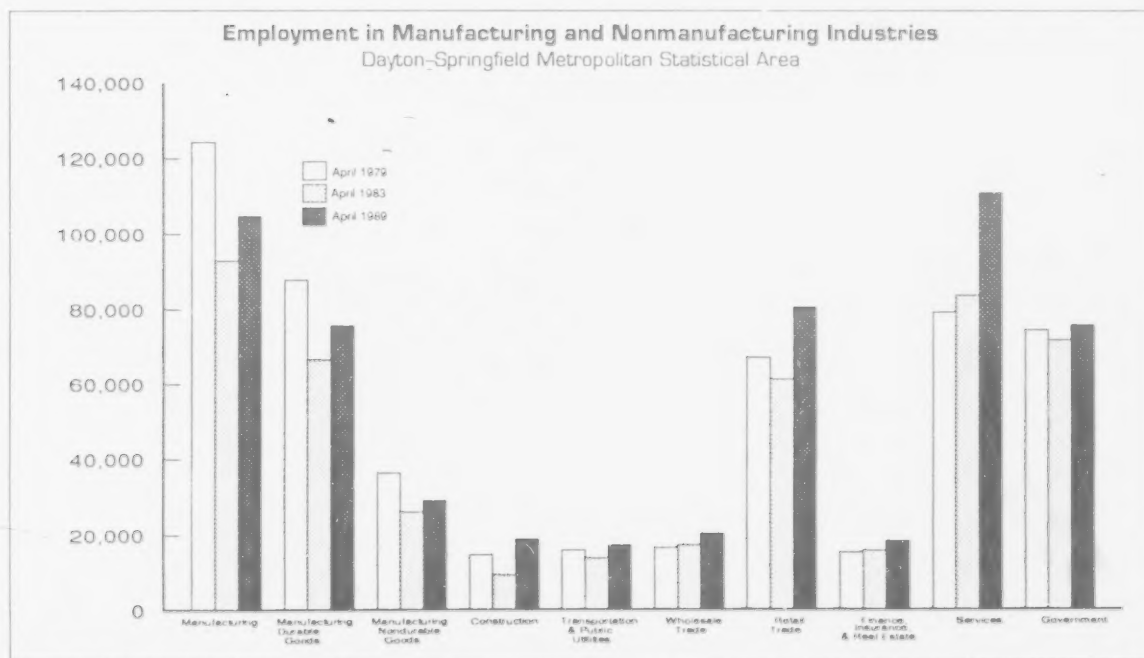
Percent



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate				Manufacturing Production Workers			
							Average Weekly Earnings	Average Weekly Hours			Average Hourly Earnings
INA	INA	INA	INA		1978	401.1	125.0	INA	INA	
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
468.7	438.1	30.6	6.5	March	429.8	103.9	66.7	539.14	43.2	12.48
464.6	441.6	23.0	4.9	April	433.4	104.4	67.3	546.45	43.3	12.62
461.6	439.6	22.0	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61
467.8	443.4	24.3	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
476.1	452.3	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
INA	INA	INA	INA	April	447.0	104.7	67.5	569.41	43.7	13.03

INA - information not available



Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	447.0	441.3	433.4	5.7	13.6
Manufacturing	104.7	104.9	104.4	-.2	.3
Durable Goods ^e	75.6	75.7	75.0	-.1	.6
Fabricated metal products	8.4	8.3	8.4	.0	-.1
Machinery, except electrical	31.0	31.1	30.5	-.2	.5
Metalworking machinery	6.7	6.8	6.6	-.1	.1
General industrial machinery	2.8	2.8	2.7	.0	.1
Electric and electronic equipment	5.9	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.3	3.3	3.3	.0	.0
Transportation equipment	20.5	20.6	20.9	-.1	-.4
Nondurable Goods ^f	29.1	29.2	29.4	-.1	-.3
Food and kindred products	3.0	3.1	2.8	-.1	.2
Paper and allied products	5.8	5.8	5.9	.0	-.1
Printing and publishing	8.8	8.8	9.0	.0	-.2
Rubber and misc. plastics products	7.7	7.7	7.9	.0	-.2
Nonmanufacturing ^g	342.2	336.3	329.0	5.9	13.2
Construction	18.7	16.9	16.5	1.8	2.2
Transportation and Public Utilities	17.2	17.0	16.5	.2	.7
Communication, electric, gas services	5.2	5.2	5.7	.0	-.5
Wholesale Trade	20.2	20.0	19.4	.2	.9
Wholesale trade-durable goods	13.7	13.6	13.4	.1	.3
Retail Trade	80.6	79.5	78.1	1.0	2.4
General merchandise stores	11.5	11.5	11.4	.0	.1
Finance, Insurance, and Real Estate	18.2	18.1	17.9	.1	.3
Banking	4.2	4.2	4.1	.0	.0
Credit agencies other than banks	4.9	4.8	4.9	.1	.0
Insurance carriers	3.0	3.0	3.0	.0	.0
Services	111.0	109.8	106.1	1.2	5.0
Business services	27.2	26.7	25.0	.5	2.2
Health services	37.3	37.2	36.3	.1	1.0
Hospitals	19.3	19.3	18.9	.0	.4
Educational services	8.7	8.9	8.6	-.2	.2
Government	75.9	74.6	74.0	1.3	1.9
Federal government	28.7	27.7	27.3	1.0	1.4
State government	7.2	7.3	7.3	-.1	-.1
State government education	4.3	4.4	4.4	-.1	.0
State government, except education	2.9	2.9	2.9	.0	.0
Local government	40.0	39.6	39.4	.3	.6
Local government education	24.9	24.7	24.8	.2	.0
Local government, except education	15.1	15.0	14.6	.1	.5

Dayton-Springfield MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$569.41	\$563.77	\$546.45	43.7	43.3	43.3	\$13.03	\$13.02	\$12.62
Durable Goods ^d	582.56	578.59	553.81	44.0	43.7	43.3	13.24	13.24	12.79
Fabricated metal products	394.00	399.07	386.68	41.3	41.7	41.4	9.54	9.57	9.34
Machinery, except electrical	610.54	618.30	587.40	44.5	45.0	44.0	13.72	13.74	13.35
Metalworking machinery	605.10	595.66	534.26	48.1	47.2	44.3	12.58	12.62	12.06
General industrial machinery	490.20	506.00	451.76	42.7	44.0	42.3	11.48	11.50	10.68
Electric and electronic equipment	444.13	453.93	449.20	43.8	43.9	44.3	10.14	10.34	10.14
Electrical industrial apparatus	554.30	574.11	522.80	46.0	46.6	45.5	12.05	12.32	11.49
Transportation equipment	746.86	729.62	699.69	45.1	44.3	44.2	16.56	16.47	15.83
Nondurable Goods ^e	529.05	519.51	521.94	42.7	42.1	43.1	12.39	12.34	12.11
Food and kindred products	363.58	380.37	326.32	41.6	41.3	37.9	8.74	9.21	8.61
Paper and allied products	510.96	510.08	519.68	44.9	45.3	46.4	11.38	11.26	11.20
Printing and publishing	479.83	470.61	454.21	41.4	40.5	40.7	11.59	11.62	11.16
Rubber and misc. plastics products	713.43	683.93	695.07	42.9	41.3	44.3	16.63	16.56	15.69
Transportation and Public Utilities									
Communication, electric, gas services	556.95	537.02	530.00	40.3	39.4	39.7	13.82	13.63	13.35
Wholesale Trade	393.57	395.14	408.18	39.2	39.2	39.4	10.04	10.08	10.36
Retail Trade ^f	169.48	168.84	161.82	28.2	28.0	27.9	6.01	6.03	5.80
Services									
Health services									
Hospitals	358.18	367.43	369.21	33.6	34.5	34.7	10.66	10.65	10.64

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

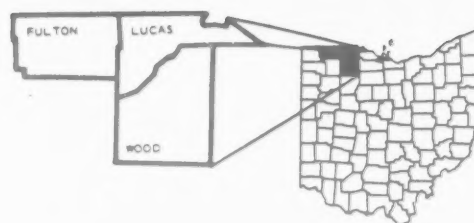
Selected Administrative Program Activities

Dayton-Springfield MSA

	April 1989	March 1989	April 1988
Employment Service Program			
New Applicants	2,396	2,845	2,424
Active File of Job Seekers	13,511	13,015	20,211
Referrals to Jobs	1,725	1,636	1,566
Placements	395	312	274
Job Openings Received	1,190	1,203	954
Job Openings Unfilled	2,169	1,784	1,781
Unemployment Insurance Program			
Initial Claims	2,144	2,914	2,109
Continued Claims	23,987	33,670	24,092
First Payments	1,084	1,718 ^a	1,028
Last Payments	335	373	433
Weeks Compensated	22,084	31,268	23,407
Benefits Paid	\$3,215,287	\$4,610,109	\$3,398,523
Average Weekly Payment	\$151.08	\$151.64	\$148.19

^a Revised

TOLEDO METROPOLITAN STATISTICAL AREA



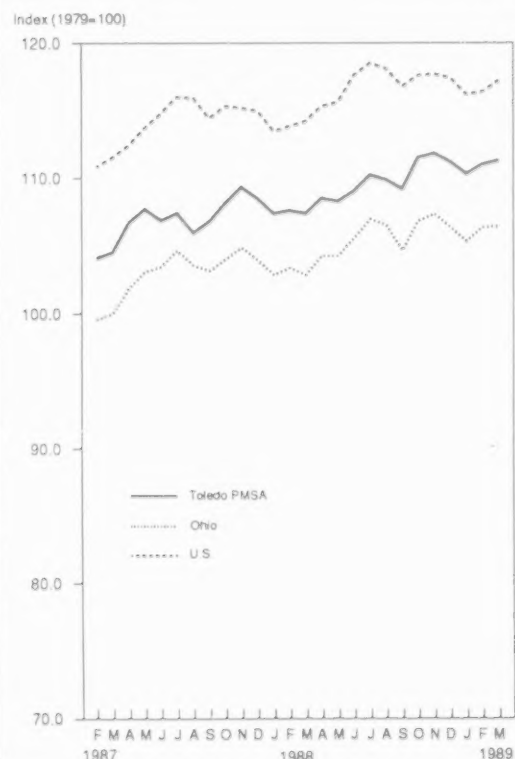
In the Toledo metropolitan area, total nonfarm payroll employment rose 4,000 above the March level to 292,500 in April 1989. The improvement was concentrated in the nonmanufacturing sector. Seasonal increases occurred in services, retail trade, and construction. Scattered growth among producers of both durable and nondurable goods raised manufacturing employment 200 over the month to 61,600. Factory production workers averaged \$13.26 per hour, down \$.15 from March. Their average workweek was .9 hours shorter at 43.7 hours.

Nonagricultural wage and salary employment advanced 10,100 between April 1988 and April 1989. Primary growth industries were services, especially business services, and retail trade. Improvements also occurred in construction and state and local schools and colleges. Scattered decreases in both durable and nondurable goods lowered manufacturing employment 300 over the year. Employment in transportation equipment and nonelectrical machinery increased.

Indexes of Total Employment

Toledo MSA, Ohio and U.S.

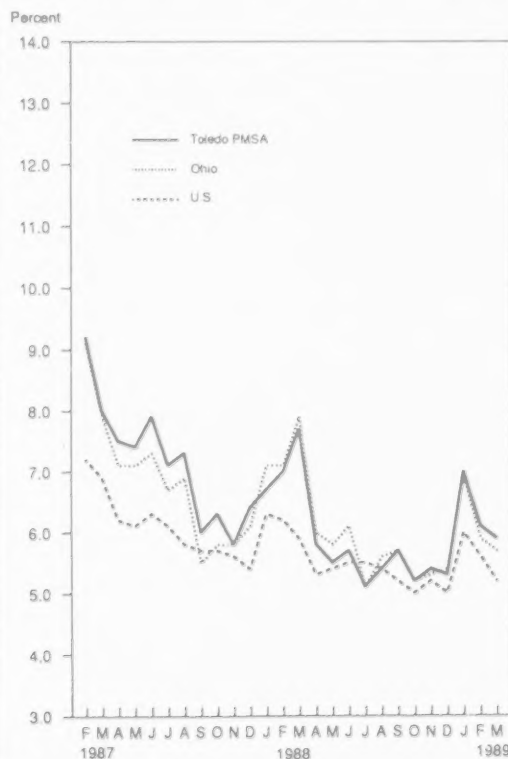
[Not Seasonally Adjusted]



Unemployment Rates

Toledo MSA, Ohio and U.S.

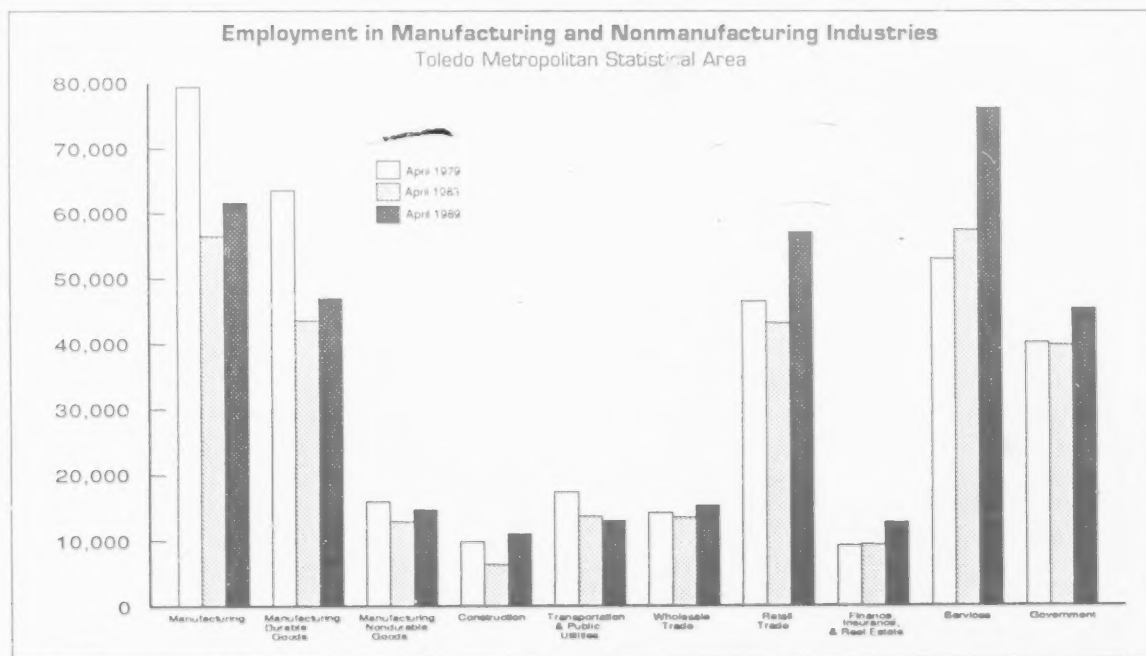
[Not Seasonally Adjusted]



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
					Manufacturing Employment					
					Manufacturing Production Workers					
					Hours & Earnings					
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
310.7	286.9	23.8	7.7	March	279.4	61.7	44.2	568.49	43.1	13.19
307.7	290.0	17.7	5.8	April	282.4	61.9	44.3	572.86	43.3	13.23
306.4	289.5	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
INA	INA	INA	INA	April	292.5	61.6	44.1	579.46	43.7	13.26

INA - information not available



Toledo MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	292.5	288.5	282.4	4.0	10.1
Manufacturing	61.6	61.4	61.9	.2	-.3
Durable Goods ^e	46.9	47.0	47.1	.0	-.2
Stone, clay, and glass products	7.6	7.6	7.7	.0	-.2
Primary metal industries	3.3	3.5	3.6	-.1	-.2
Fabricated metal products	7.1	7.2	7.4	-.1	-.2
Metal forgings and stampings	3.0	3.0	3.1	.0	-.1
Machinery, except electrical	6.0	6.0	5.9	.0	.1
Electric and electronic equipment	2.2	2.2	2.4	.0	-.2
Transportation equipment	15.8	15.7	15.7	.1	.2
Motor vehicles and equipment	14.9	14.8	14.8	.1	.1
Nondurable Goods ^f	14.7	14.4	14.8	.2	-.1
Food and kindred products	3.8	3.7	3.9	.1	-.1
Rubber and misc. plastics products	3.5	3.4	3.5	.1	-.1
Nonmanufacturing ^g	230.9	227.1	220.5	3.8	10.4
Construction	11.0	10.2	9.8	.8	1.2
Transportation and Public Utilities	13.0	12.8	13.0	.2	.0
Trucking and warehousing	5.3	5.2	5.3	.1	.0
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
Wholesale Trade	15.3	15.2	14.8	.1	.5
Wholesale trade-durable goods	10.2	10.1	9.8	.1	.5
Retail Trade	57.1	56.2	54.6	.9	2.5
General merchandise stores	8.5	8.6	7.8	.0	.7
Finance, Insurance, and Real Estate	12.7	12.6	12.3	.1	.4
Banking	3.9	3.8	3.7	.0	.1
Services	76.2	74.8	72.1	1.4	4.1
Business services	16.3	15.9	14.9	.5	1.5
Health services	27.4	27.5	26.8	-.1	.6
Hospitals	15.1	15.2	15.0	-.1	.1
Government	45.3	45.2	43.8	.1	1.5
State government	17.3	17.2	16.6	.1	.7
State government education ^h	13.1	13.0	12.5	.1	.6
State government, except education	4.2	4.2	4.1	.0	.1
Local government	25.4	25.4	24.6	.0	.8
Local government education	14.9	15.0	14.4	-.1	.5
Local government, except education	10.5	10.4	10.2	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers^a

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$579.46	\$598.09	\$572.86	43.7	44.6	43.3	\$13.26	\$13.41	\$13.23
Durable Goods ^e	603.29	630.18	598.49	44.1	45.5	43.4	13.68	13.85	13.79
Stone, clay, and glass products	526.73	552.86	510.07	40.8	42.3	40.1	12.91	13.07	12.72
Primary metal industries	489.07	507.27	484.34	44.1	45.7	42.9	11.09	11.10	11.29
Fabricated metal products	464.96	521.43	536.34	41.7	45.5	42.0	11.15	11.46	12.77
Metal forgings and stampings	603.35	658.31	702.52	41.1	43.8	45.5	14.68	15.03	15.44
Machinery, except electrical	520.03	512.74	515.31	43.3	42.8	42.8	12.01	11.98	12.04
Electric and electronic equipment	555.13	552.97	510.72	43.1	43.1	42.0	12.88	12.83	12.16
Transportation equipment	798.71	832.80	777.55	46.9	48.0	46.2	17.03	17.35	16.83
Motor vehicles and equipment	805.11	839.83	786.94	47.0	48.1	46.4	17.13	17.46	16.96
Nondurable Goods ^f	495.01	484.64	474.82	42.2	41.6	42.7	11.73	11.65	11.12
Food and kindred products	543.14	537.37	553.24	42.4	41.4	43.7	12.81	12.98	12.66
Rubber and misc. plastics products	361.05	357.70	360.34	41.5	41.4	43.0	8.70	8.64	8.38
Transportation and Public Utilities	575.89	584.82	604.65	40.3	40.5	41.7	14.29	14.44	14.50
Communication, electric, gas services									
Wholesale Trade	399.17	395.00	373.26	39.6	39.5	38.8	10.08	10.00	9.62
Retail Trade ^h	160.33	157.14	162.13	27.5	27.0	28.9	5.83	5.82	5.61

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

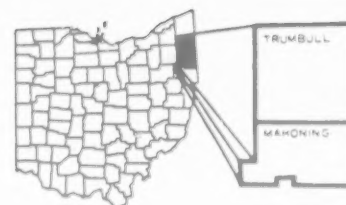
Selected Administrative Program Activities

Toledo MSA

	April 1989	March 1989	April 1988
Employment Service Program			
New Applicants	1,881	2,277	1,903
Active File of Job Seekers	19,473	19,375	18,279
Referrals to Jobs	1,324	2,079	1,050
Placements	301	356	279
Job Openings Received	473	723	565
Job Openings Unfilled	870	855	906
Unemployment Insurance Program			
Initial Claims	2,452	2,742	2,818
Continued Claims	19,513	28,164	22,330
First Payments	925	1,503 ^a	871
Last Payments	281	387	286
Weeks Compensated	17,765	26,658	18,476
Benefits Paid	\$2,823,583	\$4,241,056	\$2,775,707
Average Weekly Payment	\$165.98	\$166.62	\$153.36

^a Revised

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA

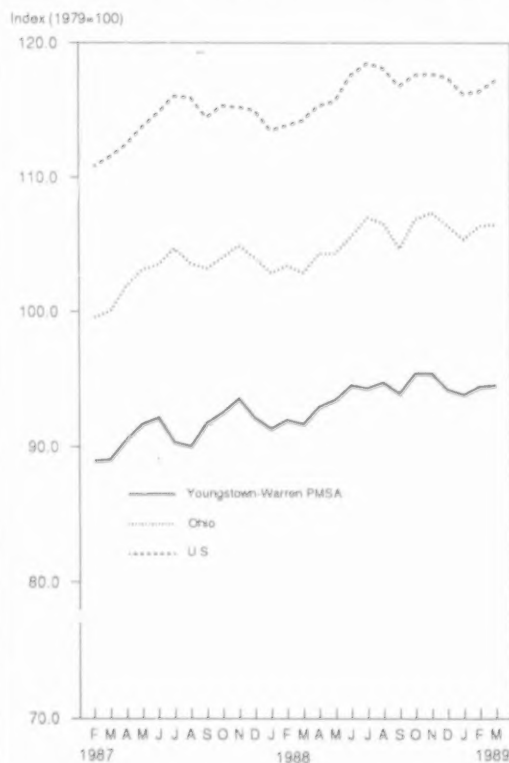


Total nonfarm payroll employment in the Youngstown-Warren metropolitan area rose 2,300 from March to 197,000 in April 1989. Nonmanufacturing employment increased 2,500 due to seasonal growth in construction, retail trade, and services. Reductions in transportation equipment and primary metal industries, particularly blast furnace and basic steel products, lowered manufacturing employment 200 to 50,200. Factory production workers averaged \$13.76 per hour, up \$.05 from March. Their average workweek of 42.7 hours was .6 hours shorter.

Nonagricultural wage and salary employment advanced 5,000 between April 1988 and April 1989. Leading growth industries were services and retail trade. Modest improvements were also noted in construction and wholesale trade. Manufacturing employment declined 200 over the year. Reductions in primary metal industries, especially blast furnace and basic steel products, and transportation equipment outweighed slight gains in nonelectrical machinery and scattered growth in nondurable-goods industries.

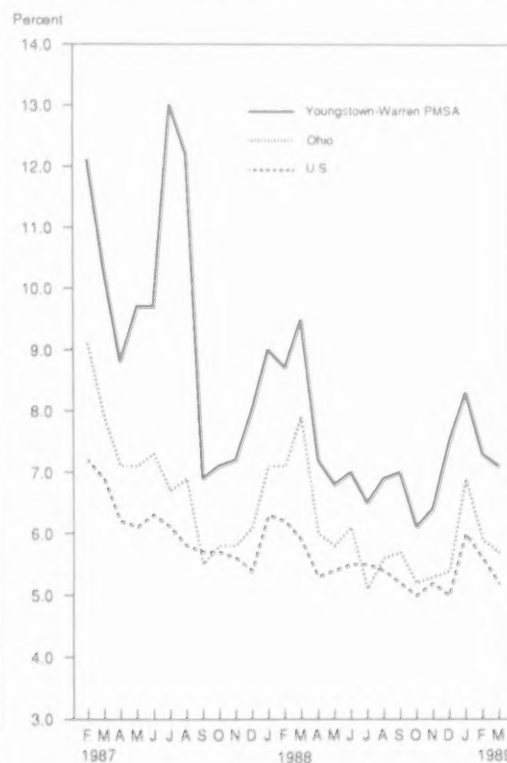
Indexes of Total Employment

Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates

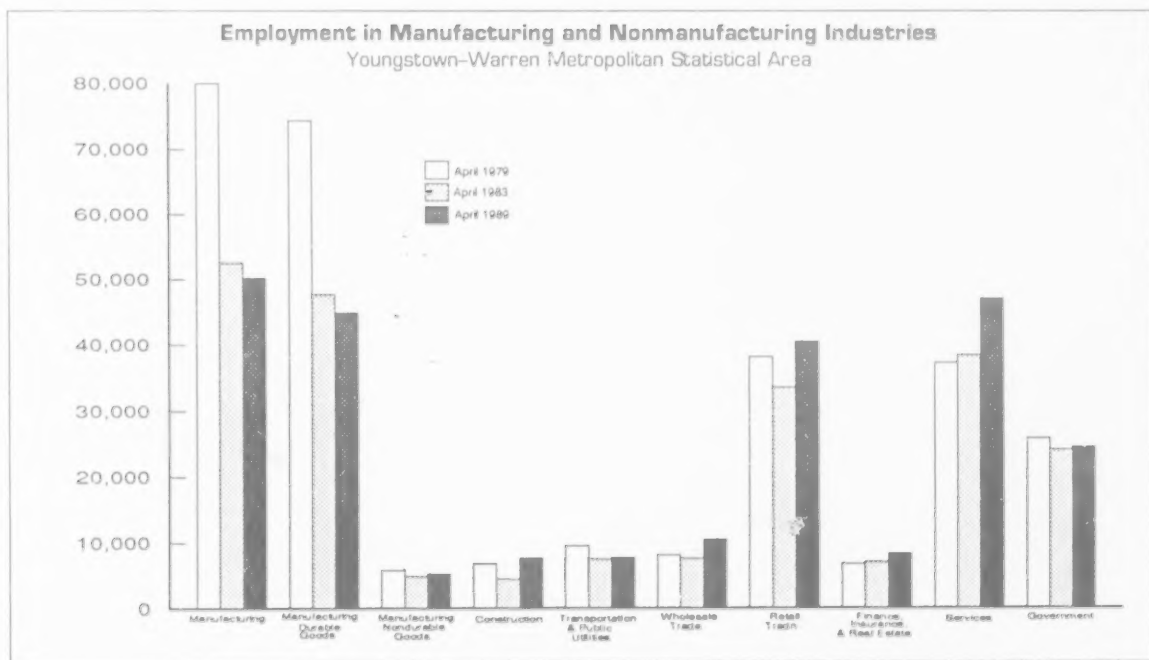
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

					Nonagricultural Wage & Salary Employment							
					Manufacturing Employment					Manufacturing Production Workers		
Civilian Labor Force							Hours & Earnings					
Total	Employed	Unemployed					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
		Total	Rate									
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54		
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27		
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27		
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62		
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72		
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38		
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84		
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24		
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30		
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30		
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52		
1988												
222.6	201.4	21.2	9.5	March	189.4	50.0	38.1	557.86	41.6	13.41		
220.1	204.2	15.9	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55		
220.2	205.3	15.0	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58		
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.03	42.8	13.60		
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43		
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40		
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59		
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63		
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68		
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66		
1989												
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79		
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68		
223.8	207.9	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71		
INA	INA	INA	INA	April	197.0	50.2	38.2	587.55	42.7	13.76		

INA - information not available



Youngstown-Warren MSA

Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	April 1989 ^b	March 1989 ^c	April 1988 ^c	From Last Month	From Last Year
Total	197.0	194.7	192.1	2.3	5.0
Manufacturing	50.2	50.3	50.4	-.2	-.2
Durable Goods ^e	44.9	45.1	45.3	-.2	-.4
Primary metal industries	18.4	18.5	18.9	-.1	-.5
Blast furnace and basic steel products	5.1	5.4	5.8	-.3	-.8
Fabricated metal products	7.5	7.5	7.5	.1	.0
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.3	2.3	2.3	.0	.0
Transportation equipment	9.5	9.7	9.8	-.2	-.3
Nondurable Goods ^f	5.3	5.3	5.1	.0	.2
Nonmanufacturing ^g	146.9	144.4	141.7	2.5	5.2
Construction	7.6	6.6	7.0	1.0	.6
Transportation and Public Utilities	7.7	7.7	7.5	.1	.2
Communication, electric, gas services	2.8	2.8	2.9	.0	-.2
Wholesale Trade	10.5	10.4	10.0	.1	.5
Wholesale trade-durable goods	6.8	6.7	6.4	.1	.4
Retail Trade	40.6	39.7	38.8	.9	1.7
General merchandise stores	5.1	5.1	5.1	.0	.0
Finance, Insurance, and Real Estate	8.3	8.2	8.2	.1	.1
Banking	2.8	2.7	2.8	.0	.0
Services	47.1	46.2	44.9	.9	2.2
Health services	20.7	20.6	20.1	.0	.5
Hospitals	10.7	10.7	10.5	.0	.2
Government	24.5	25.1	24.6	-.7	-.1
State government	4.2	4.7	4.1	-.4	.1
State government education ^h	2.7	3.2	2.6	-.4	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.2	18.4	18.5	-.2	-.3
Local government education	11.8	12.0	12.3	-.2	-.5
Local government, except education	6.3	6.3	6.2	.0	.2

Youngstown-Warren MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c	Apr. 1989 ^b	Mar. 1989 ^c	Apr. 1988 ^c
Manufacturing	\$587.55	\$593.64	\$570.46	42.7	43.3	42.1	\$13.76	\$13.71	\$13.55
Durable Goods ^b	603.72	610.40	584.59	43.0	43.6	42.3	14.04	14.00	13.82
Primary metal industries	641.27	620.74	644.36	42.3	41.3	42.9	15.16	15.03	15.02
Blast furnace and basic steel products	593.63	570.47	603.37	44.5	42.7	44.3	13.34	13.36	13.62
Fabricated metal products	613.34	601.66	572.72	45.5	44.9	42.9	13.48	13.40	13.35
Machinery, except electrical	514.72	494.38	475.80	43.4	42.4	41.7	11.86	11.66	11.41
Electric and electronic equipment	463.25	457.54	450.55	40.6	40.1	40.7	11.41	11.41	11.07
Transportation equipment	646.70	725.56	612.13	43.2	48.5	42.1	14.97	14.96	14.54
Nondurable Goods ^d	415.66	415.04	407.55	39.7	40.1	39.8	10.47	10.35	10.24
Transportation and Public Utilities									
Communication, electric, gas services	569.84	565.41	538.16	40.3	40.1	39.6	14.14	14.10	13.59
Wholesale Trade	363.78	372.45	360.45	38.7	39.0	38.8	9.40	9.55	9.29
Retail Trade ^h	180.29	178.75	173.09	28.8	28.6	28.8	6.26	6.25	6.01

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	April 1989	March 1989	April 1988
Employment Service Program			
New Applicants	2,877	3,016	1,837
Active File of Job Seekers	20,180	18,430	18,458
Referrals to Jobs	3,993	1,540	1,232
Placements	272	181	364
Job Openings Received	4,603	497	795
Job Openings Unfilled	4,810	647	970
Unemployment Insurance Program			
Initial Claims	2,342	2,983	2,141
Continued Claims	17,880	25,634	20,335
First Payments	885	1,386 ^a	784
Last Payments	290	326	321
Weeks Compensated	16,108	23,883	17,780
Benefits Paid	\$2,454,336	\$3,615,484	\$2,555,070
Average Weekly Payment	\$157.64	\$156.77	\$147.05

^a Revised

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	2
Manufacturing	57	3
Nonmanufacturing	38	2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	3
Wholesale Trade	22	4
Retail Trade	21	4
Finance, Insurance, and Real Estate	43	3
Services	34	3
Government	71	2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	April 1989	March 1989	April 1988
New Applicants	35,087	43,939	34,539
Active File of Job Seekers	280,862	278,527	286,310
Counseling Interviews	1,130	1,162	1,242
Tests Administered	1,451	1,651	5,083
General Aptitude Tests	116	221	301
Proficiency Tests	301	366	486
Specific Aptitude Tests	181	167	1,477
Referrals to Jobs	26,656	29,147	24,512
Placements	5,085	5,762	5,565
Job Openings Received	14,895	12,510	13,022
Job Openings Unfilled	25,411	19,989	20,838

Selected Unemployment Insurance Activities

	Ohio		
	April 1989	March 1989	April 1988
Initial Claims	35,167	45,146	38,395
Continued Claims	360,043	519,538	421,800
First Payments	15,579	25,291 ^a	17,325
Last Payments	5,548	5,761	6,878
Average Weekly Claimants	91,514	111,712	101,491
Average Weekly Benefit Recipients	82,736	103,011	89,215
Weeks Compensated	326,960	484,644	374,933
Benefits Paid	\$51,162,719	\$76,359,474	\$57,129,907
Average Weekly Payment	\$161.50	\$161.94	\$155.71
Continued Claims for Survey Week	85,735	104,503	97,234 ^a
Insured Unemployment Rate	2.0	2.5	2.3
Net Contributions	\$79,247,270	\$3,545,071	\$74,964,221
Active Employer Accounts	204,265	203,244	200,411

^a Revised

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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CONGRESSIONAL INFO. SERVICE
4520 EAST-WAY HWY.
BETHESDA MD 20814

Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

56270-1
Labor
Market
Review

May 1989

Summary. Ohio's seasonally adjusted unemployment rate in May, at 5.4 percent, was unchanged from April. The U. S. unemployment rate decreased from 5.3 percent in April to 5.2 percent in May. Total employment in Ohio rose 45,000 to 5,138,000. There were 296,000 jobless Ohioans in May, up 8,000 from April. Seasonally adjusted nonagricultural payroll employment in Ohio increased 3,000 from April to 4,781,000. Increases in nonmanufacturing employment outweighed declines in manufacturing industries. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,108,000 in May, was down 2,000 from April. Losses in stone, clay, and glass products and transportation equipment were partially offset by advances in nonelectrical machinery, lowering durable-goods employment 1,000 to 748,000. Employment in nondurable-goods industries fell 2,000 to 360,000 due to declines in rubber and miscellaneous plastics products, food and kindred products, and paper and allied products.

Nonmanufacturing. Nonmanufacturing employment rose 5,000 from April to 3,673,000 in May. Services, up 4,000, had the largest gain. Retail trade and government increased 1,000 each. There was a loss of 1,000 jobs in construction. Employment in mining, transportation and public utilities, wholesale trade, and finance, insurance, and real estate was unchanged from April.

Over the Year. Ohio's unemployment rate dropped from 6.1 percent in May 1988 to 5.4 percent in May 1989. Nationally, the rate declined from 5.6 percent to 5.2 percent during the same period. Total employment in Ohio increased 178,000 from May 1988 to May 1989, while total unemployment fell 28,000. Nonfarm wage and salary employment rose 119,000 from May 1988. Employment in services was up 46,000; retail trade added 31,000 jobs; construction employment advanced 14,000. Gains in durable-goods industries boosted manufacturing employment 7,000. All other divisions had small increases, except mining, which was unchanged.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries had average weekly earnings of \$523.87 in May, up \$2.50 from April. Their average workweek of 42.8 hours was slightly longer. Most industries had increased earnings due to more overtime. The most significant ones were motor vehicles and equipment, blast furnace and basic steel products, and miscellaneous plastics products.

Benefits and Costs. There were 44,273 initial claims filed under the Ohio Unemployment Compensation Law in May, up 25.9 percent from April, and up 17.0 percent from May 1988. The average weekly number of benefit recipients, at 67,880, was down 18.0 percent from April.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

and down 1.5 percent from May 1988. At the end of May there were 203,010 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 37,610 new job applicants in May, up 7.2 percent from April, and up 5.8 percent from May 1988. The number of job openings received from employers fell 20.5 percent to 11,846. The Employment Services Division made 25,003 job referrals and 5,429 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689 or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	May 1989	April 1989	May 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,434	5,381	5,284	53	150	1.0	2.8
Employment	5,138	5,093	4,960	45	178	0.9	3.6
Unemployment	296	288	324	8	-28	2.8	-8.6
Unemployment Rate	5.4	5.4	6.1				
Employer Survey Data^e							
Total	4,781	4,778	4,661	3	119	0.1	2.6
Manufacturing	1,108	1,110	1,100	-2	7	-0.2	0.7
Durable Goods	748	748	742	-1	6	-0.1	0.8
Nondurable Goods	360	362	359	-2	1	-0.5	0.3
Nonmanufacturing	3,673	3,668	3,561	5	112	0.1	3.1
Mining	19	19	19	0	0	0.1	-0.0
Construction	196	196	182	-1	14	-0.3	7.6
Transportation and Public Utilities	214	215	211	0	3	-0.1	1.5
Wholesale Trade	261	261	253	0	8	0.1	3.1
Retail Trade	902	902	871	1	31	0.1	3.5
Finance, Insurance, and Real Estate	255	255	249	0	6	0.1	2.2
Services	1,129	1,125	1,083	4	46	0.3	4.2
Government	697	695	692	1	5	0.2	0.7
Goods Producing Industries ^f	1,323	1,326	1,302	-3	21	-0.2	1.6
Service Producing Industries ^g	3,458	3,452	3,360	6	98	0.2	2.9

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers.

^cPercentages are computed from unrounded numbers.

^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

^fIncludes Mining, Construction, and Manufacturing.

^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,290	4,897	393	7.4	6.3
5,261	4,885	376	7.1	6.1
5,272	4,895	377	7.2	6.0
5,242	4,877	365	7.0	6.0
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3
5,434	5,138	296	5.4	5.2

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
	Manufacturing Employment		
		Durable	Nondurable
1987			
May	4,563	1,096	738
June	4,568	1,093	736
July	4,576	1,091	732
August	4,588	1,098	739
September	4,596	1,101	743
October	4,617	1,105	745
November	4,631	1,106	746
December	4,650	1,110	748
1988			
January	4,637	1,104	744
February	4,644	1,103	743
March	4,653	1,097	737
April	4,656	1,101	742
May	4,661	1,100	742
June	4,671	1,102	742
July	4,676	1,101	742
August	4,680	1,100	741
September	4,691	1,103	743
October	4,704	1,105	746
November	4,721	1,110	750
December	4,733	1,111	750
1989			
January	4,764	1,122	757
February	4,772	1,118	754
March	4,777	1,114	751
April	4,778	1,110	748
May	4,781	1,108	748

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
3,467	21	174	207	247
3,475	21	176	207	247
3,484	20	178	209	248
3,490	21	176	209	248
3,495	20	177	209	249
3,512	21	178	209	251
3,525	21	180	210	251
3,540	21	183	210	252
3,533	20	181	210	251
3,542	20	182	210	251
3,557	19	185	211	252
3,555	20	183	211	252
3,561	19	182	211	253
3,569	19	182	211	254
3,575	19	182	212	255
3,581	20	183	212	256
3,589	19	184	212	256
3,599	19	184	212	257
3,611	19	186	213	258
3,622	19	188	213	258
3,642	19	196	213	259
3,654	19	197	213	260
3,663	19	197	214	260
3,668	19	196	215	261
3,673	19	196	214	261

1987
May
June
July
August
September
October
November
December
1988
January
February
March
April
May
June
July
August
September
October
November
December
1989
January
February
March
April
May

Retail Trade	Finance, Insurance, & Real Estate	Services	Government
844	243	1043	688
845	244	1048	688
847	244	1053	685
849	245	1055	687
850	246	1059	685
856	247	1062	688
860	247	1067	691
863	248	1073	691
865	247	1068	691
868	247	1073	690
872	248	1078	692
870	249	1079	691
871	249	1083	692
874	249	1087	692
876	250	1089	692
878	251	1093	689
880	251	1095	691
884	252	1097	693
887	252	1102	694
889	252	1108	693
896	253	1112	693
899	254	1116	696
903	254	1120	696
902	255	1125	695
902	255	1129	697

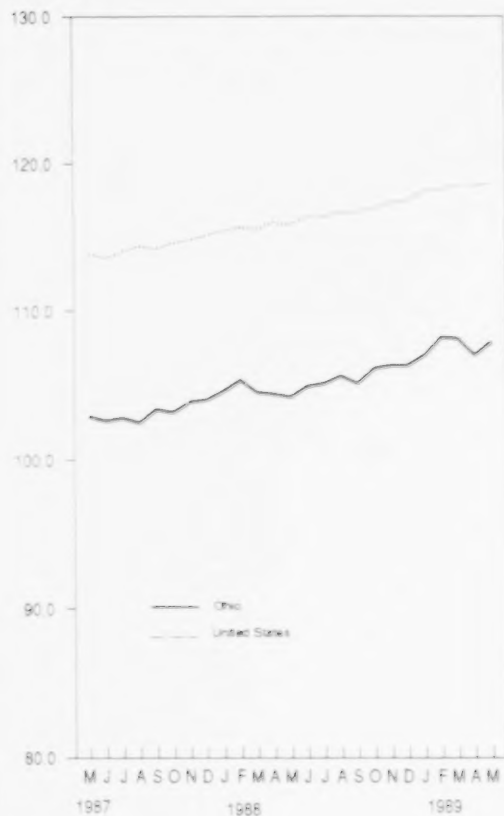
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Labor Market Review.

Indexes of Total Employment

Ohio and U.S.

[Seasonally Adjusted]

Index (1979=100)

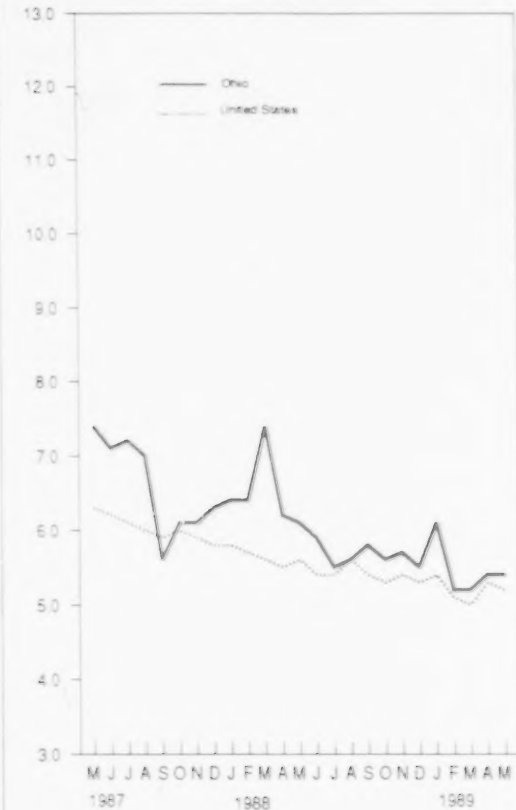


Unemployment Rates

Ohio and U.S.

[Seasonally Adjusted]

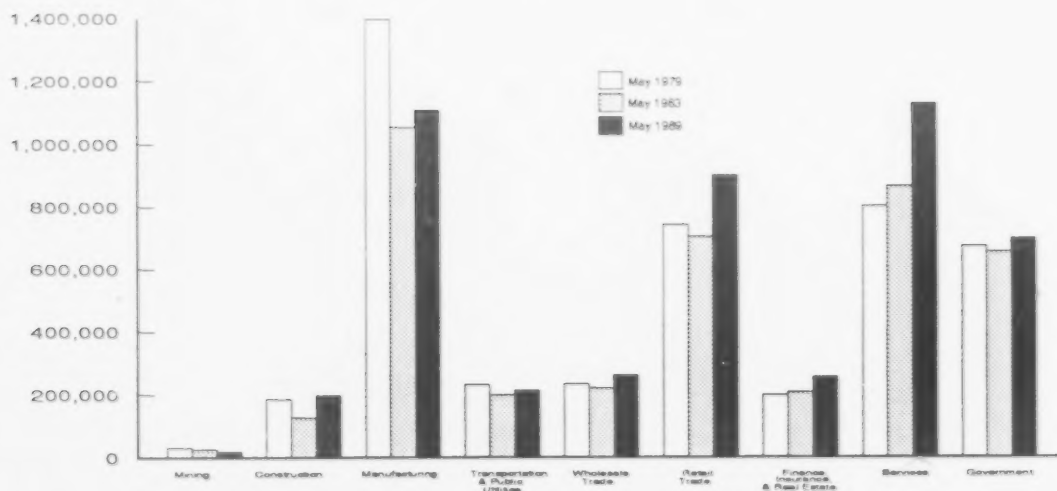
Percent



Employment in Division-Level Industries

[Seasonally Adjusted]

Number



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
5,269	4,966	303	5.8	5.4
5,353	5,028	325	6.1	5.5
5,366	5,093	274	5.1	5.5
5,376	5,076	301	5.6	5.4
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6
5,375	5,068	307	5.7	5.2
5,357	5,085	273	5.1	5.1
5,419	5,143	277	5.1	5.0

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
	Manufacturing Employment		
		Durable	Nondurable
1978	4,394.9	1,377.2	974.5
1979	4,484.8	1,382.3	990.5
1980	4,367.4	1,264.3	882.6
1981	4,317.7	1,232.6	860.4
1982	4,124.3	1,099.9	752.4
1983	4,092.5	1,066.0	723.6
1984	4,260.2	1,127.0	773.4
1985	4,372.9	1,124.3	768.7
1986	4,471.4	1,109.8	752.7
1987	4,582.6	1,098.9	740.4
1988	4,683.0	1,103.1	743.6
1988	4,692.3	1,100.5	743.2
May	4,715.4	1,107.6	746.9
June	4,678.8	1,100.8	741.5
July	4,679.1	1,102.1	740.5
August	4,731.7	1,110.5	745.6
September	4,757.7	1,110.3	747.8
October	4,834.7	1,115.7	753.3
November	4,781.8	1,115.1	752.5
December	4,669.0	1,112.2	751.4
1989	4,671.4	1,107.3	747.9
January	4,707.6	1,106.9	748.1
February	4,761.0	1,107.1	748.4
March	4,812.4	1,107.9	749.4
April			
May			

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
3,017.7	29.0	176.6	225.0	226.0
3,102.5	31.6	182.9	232.1	232.8
3,103.0	30.7	167.4	223.1	230.6
3,085.1	30.7	153.7	217.2	232.5
3,024.4	30.3	134.6	206.8	226.0
3,026.5	26.6	130.8	198.5	222.5
3,133.1	27.8	144.8	203.9	236.7
3,248.6	26.1	154.0	202.7	243.7
3,361.6	22.6	160.7	203.4	244.3
3,483.7	20.9	176.4	207.8	248.0
3,579.8	19.5	183.6	211.5	254.3
3,591.8	19.2	182.8	211.5	253.5
3,607.8	19.6	191.2	213.1	255.8
3,578.0	19.8	199.5	213.4	256.1
3,577.0	19.8	202.5	213.9	256.3
3,621.2	19.8	202.0	214.8	256.5
3,647.4	19.8	203.0	215.0	258.4
3,719.0	19.7	197.4	214.7	258.5
3,666.6	19.5	188.0	215.3	259.1
3,556.9	18.9	167.0	208.7	256.9
3,564.1	18.6	162.2	208.5	256.9
3,600.8	18.7	170.8	209.7	257.8
3,653.9	19.0	184.7	212.8	259.7
3,704.5	19.2	196.7	214.5	261.4

Retail Trade	Finance, Insurance, & Real Estate	Services	Government
730.4	191.1	772.1	667.5
742.4	200.6	806.2	674.0
726.6	203.8	830.9	689.9
717.7	205.8	851.6	676.0
703.4	206.4	857.3	659.6
711.0	207.8	873.3	656.1
748.0	211.5	905.2	655.2
787.9	219.3	949.5	665.2
818.6	232.3	1,001.0	678.9
848.3	243.8	1,051.2	687.3
876.5	249.8	1,087.8	696.8
873.2	249.0	1,092.8	709.9
879.7	251.4	1,104.1	692.9
881.1	252.8	1,103.1	652.2
886.2	253.3	1,104.7	640.3
888.2	251.8	1,109.8	678.3
891.8	252.1	1,105.1	702.2
906.0	252.1	1,102.1	768.5
921.4	252.4	1,101.0	710.0
877.0	250.3	1,083.4	694.5
867.2	250.8	1,091.8	708.0
876.3	251.5	1,103.0	712.9
889.8	253.1	1,125.5	709.3
904.1	254.6	1,139.2	714.8

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,100.5	743.2	357.3
1,107.6	746.9	360.7
1,100.8	741.5	359.4
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,106.9	748.1	358.8
1,107.1	748.4	358.7
1,107.9	749.4	358.5

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
985.5	\$302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
759.1	391.7	32.6
757.3	391.1	32.6
762.4	397.8	33.0
754.9	379.4	31.9
756.7	382.1	32.1
765.9	399.6	33.2
765.5	400.4	33.1
771.1	410.1	33.7
770.1	411.5	33.7
766.2	404.1	33.1
762.0	400.1	32.8
761.4	400.2	32.7
761.4	397.0	32.5
761.2	398.8	32.6

Production Worker Average Weekly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$306.91	\$316.83	\$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
516.43	540.27	460.90
521.77	547.87	464.62
502.52	521.85	461.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
525.53	549.41	470.50
521.37	542.59	473.71
523.87	545.58	472.99

Production Worker Average Weekly Hours

Manu- facturing	Durable Goods	Nondurable Goods
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
43.0	43.5	41.9
43.3	43.9	42.2
42.3	42.6	41.8
42.4	42.7	41.8
43.3	43.7	42.5
43.3	43.7	42.3
43.7	44.2	42.6
43.8	44.2	42.9
43.2	43.7	42.1
43.0	43.5	41.9
42.9	43.5	41.6
42.7	43.2	41.7
42.8	43.3	41.6

Production Worker Average Hourly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$ 7.29	\$ 7.49	\$ 6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
12.00	12.41	11.03
12.01	12.42	11.00
12.05	12.48	11.01
11.88	12.25	11.04
11.91	12.30	11.01
12.05	12.48	11.05
12.08	12.51	11.06
12.17	12.62	11.09
12.20	12.62	11.18
12.21	12.61	11.22
12.21	12.59	11.28
12.25	12.63	11.31
12.21	12.56	11.36
12.24	12.60	11.37

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment (thousands)

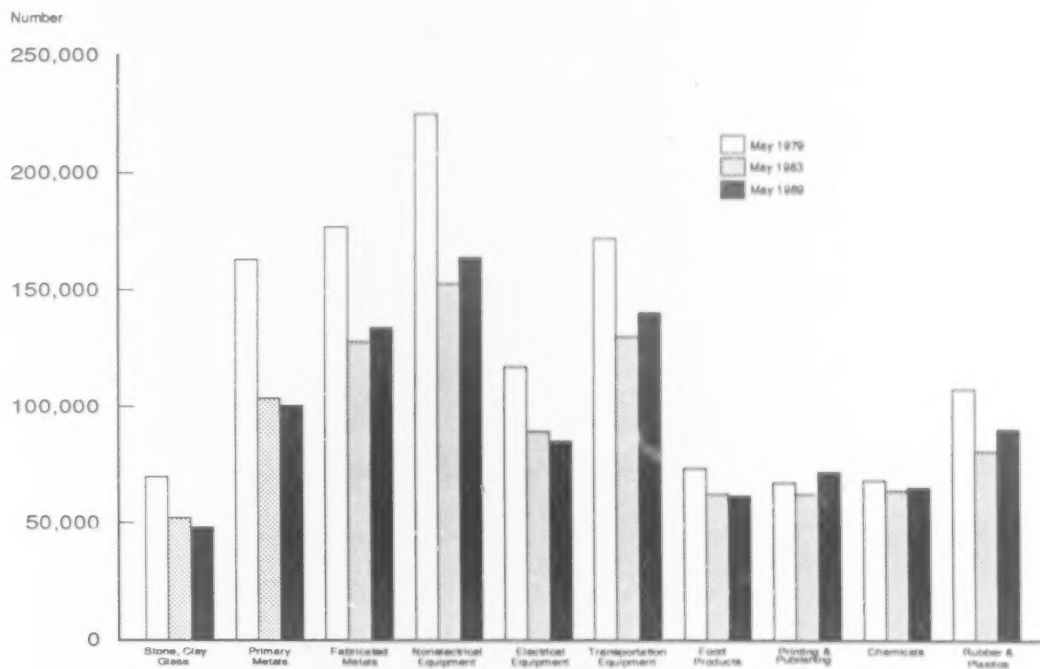
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.0	100.0	133.5	May	157.1	86.3	142.7	May	61.3	70.7	90.7
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.1	100.2	133.7	May	163.7	85.0	140.1	May	61.4	71.6	90.0

Average Weekly Earnings of Production Workers

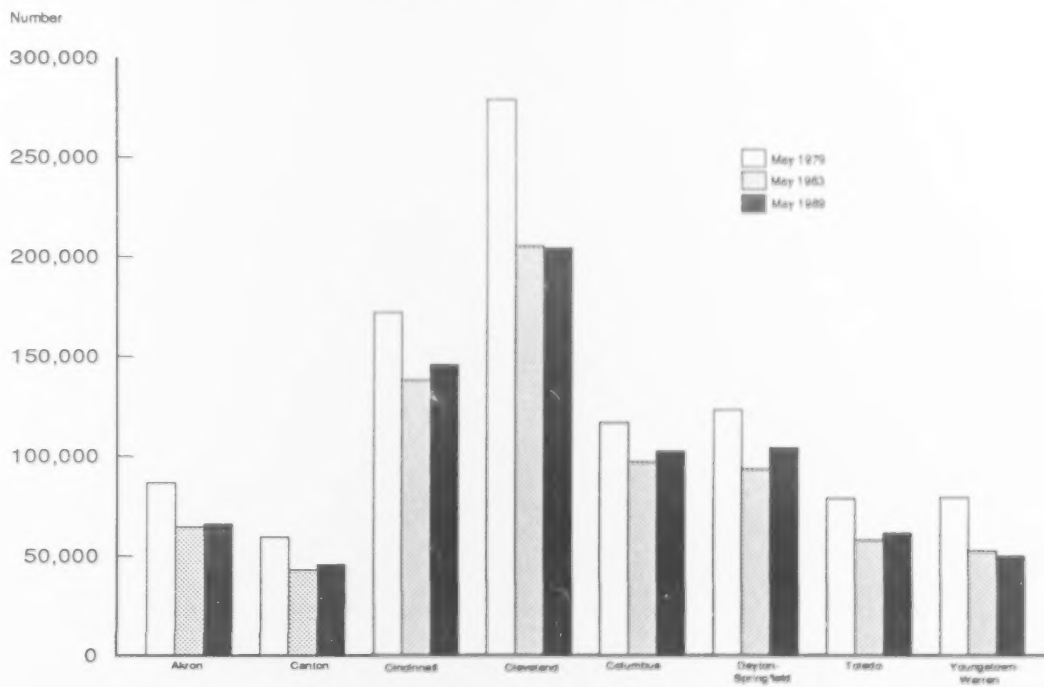
\$274.81	\$366.24	\$307.23	1978	\$306.16	\$268.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
470.13	633.92	515.82	May	536.99	464.67	690.20	May	454.95	444.24	457.09

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Ohio

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	4812.4	4761.0	4692.3	51.4	120.1
Manufacturing	1107.9	1107.1	1100.5	.8	7.4
Durable Goods ^e	749.4	748.4	743.2	1.0	6.2
Lumber and wood products	24.0	23.5	21.8	.5	2.2
Furniture and fixtures	14.8	15.1	15.0	-.3	-.2
Stone, clay, and glass products	48.1	48.0	48.0	.0	.0
Glass and glassware, pressed or blown	8.7	8.9	8.7	-.2	.0
Primary metal industries	100.2	100.1	100.0	.1	.3
Blast furnace and basic steel products	45.3	44.9	46.0	.4	-.7
Iron and steel foundries	20.1	20.2	19.6	-.1	.6
Nonferrous rolling and drawing	17.4	17.7	17.5	-.3	-.1
Fabricated metal products	133.7	133.5	133.5	.2	.2
Cutlery, hand tools, and hardware	9.8	9.9	10.2	-.1	-.4
Fabricated structural metal products	28.2	28.2	28.1	.0	.1
Metal forgings and stampings	41.1	41.0	41.8	.1	-.7
Machinery, except electrical	163.7	163.2	157.1	.5	6.6
Construction and related machinery	13.7	13.7	13.4	.0	.3
Metalworking machinery	42.8	42.7	41.0	.2	1.9
Special industry machinery	18.3	18.3	17.1	.0	1.2
General industrial machinery	28.9	28.7	28.1	.1	.8
Office and computing machines	12.3	12.2	12.8	.1	-.5
Refrigeration and service machinery	16.3	16.2	15.9	.1	.4
Electric and electronic equipment	85.0	85.4	86.3	-.4	-1.2
Electrical industrial apparatus	17.6	17.6	16.9	.0	.8
Household appliances	15.1	15.1	15.9	-.1	-.9
Electric lighting and wiring equipment	16.9	17.1	17.1	-.3	-.3
Communication equipment	9.2	9.2	9.5	.0	-.3
Transportation equipment	140.1	140.3	142.7	-.1	-2.6
Motor vehicles and equipment	95.3	95.3	95.5	.0	-.3
Aircraft and parts	36.1	36.2	38.7	-.1	-2.6
Instruments and related products	24.7	24.4	24.1	.3	.6
Measuring and controlling devices	13.4	13.2	13.3	.2	.0
Nondurable Goods ^f	358.5	358.7	357.3	-.2	1.2
Food and kindred products	61.4	61.2	61.3	.2	.1
Meat products	8.7	8.7	8.7	.1	.0
Dairy products	9.4	9.3	9.6	.1	-.2
Preserved fruits and vegetables	11.6	11.5	11.0	.0	.5
Bakery products	9.3	9.5	9.4	-.2	-.1
Beverages	8.8	8.7	9.0	.1	-.2
Apparel and other textile products	16.0	16.1	15.3	-.1	.7
Paper and allied products	36.8	36.9	37.2	-.1	-.4
Misc. converted paper products	12.0	12.0	11.9	.0	.1
Paperboard containers and boxes	13.0	13.0	13.1	.0	-.1
Printing and publishing	71.6	71.5	70.7	.1	.9
Newspapers	18.7	18.6	18.6	.0	.0
Commercial printing	28.2	28.2	27.7	-.1	.5
Chemicals and allied products	65.1	64.9	64.3	.2	.8
Industrial inorganic chemicals	8.9	8.9	9.1	-.1	-.2
Rubber and misc. plastics products	90.0	90.7	90.7	-.6	-.7
Tires and inner tubes	14.4	14.4	14.6	.0	-.3
Miscellaneous plastics products	55.5	56.0	55.9	-.5	-.3

See footnotes on page 13.

**Nonagricultural
Wage and Salary
Employment^a**

Ohio (continued)

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Nonmanufacturing	3704.5	3653.9	3591.8	50.6	112.7
Mining	19.2	19.0	19.2	.2	.0
Bituminous coal and lignite mining	7.7	7.8	7.9	.0	-.2
Oil and gas extraction	6.4	6.3	6.4	.1	.0
Construction	196.7	184.7	182.8	12.1	14.0
General building contractors	49.1	46.8	46.4	2.3	2.7
Heavy construction contractors	25.8	22.1	24.1	3.7	1.7
Highway and street construction	9.5	7.3	9.2	2.3	.3
Special trade contractors	121.8	115.8	112.2	6.0	9.5
Transportation and Public Utilities	214.5	212.8	211.5	1.7	3.1
Railroad transportation	13.4	13.1	13.6	.2	-.2
Transportation, except railroads	113.9	112.3	109.4	1.6	4.4
Trucking and warehousing	76.7	75.8	74.7	.8	1.9
Communication, electric, gas services	87.3	87.4	88.5	-.1	-1.2
Communication	45.7	45.8	46.9	-.1	-1.2
Electric, gas, and sanitary services	41.6	41.6	41.6	.0	.0
Wholesale Trade	261.4	259.7	253.5	1.6	7.9
Wholesale trade-durable goods	165.4	164.5	160.5	.9	4.9
Motor vehicles & automotive equipment ..	23.2	22.9	22.6	.2	.6
Electrical goods	18.4	18.3	18.4	.1	.0
Machinery, equipment, and supplies	70.7	70.5	68.8	.2	1.9
Wholesale trade-nondurable goods	95.9	95.2	93.0	.7	3.0
Groceries and related products	30.5	30.3	29.7	.2	.9
Retail Trade	904.1	889.8	873.2	14.3	30.9
General merchandise stores	119.7	119.0	116.8	.6	2.9
Department stores	101.9	101.7	100.5	.3	1.4
Food stores	145.1	143.8	137.7	1.3	7.4
Automotive dealers & service stations	98.2	97.4	95.4	.8	2.7
Apparel and accessory stores	45.7	45.4	43.5	.3	2.1
Eating and drinking places	309.6	301.5	304.9	8.1	4.7
Finance, Insurance, and Real Estate	254.6	253.1	249.0	1.5	5.5
Banking	64.6	64.4	63.5	.2	1.1
Credit agencies other than banks	38.5	38.5	38.3	.0	.2
Insurance carriers	70.4	70.1	69.5	.2	.8
Life insurance	26.1	26.0	25.8	.1	.3
Fire, marine, and casualty insurance	31.0	31.0	30.8	.1	.2
Services	1139.2	1125.5	1092.8	13.7	46.4
Hotels and other lodging places	38.1	36.8	36.5	1.4	1.6
Personal services	58.4	60.6	56.3	-2.2	2.1
Laundry, cleaning, & garment services ..	19.3	19.1	18.7	.2	.6
Business services	236.6	234.2	219.9	2.3	16.7
Services to buildings	32.9	32.6	31.4	.4	1.5
Computer and data processing services ..	23.2	23.0	21.3	.1	1.9
Amusement and recreation services	47.5	38.0	48.4	9.5	-.8
Health services	379.1	377.8	367.2	1.3	11.9
Nursing and personal care facilities	83.5	83.1	81.1	.4	2.5
Hospitals	185.1	184.8	180.7	.2	4.4
Educational services	65.1	68.1	62.9	-3.0	2.2
Colleges and universities	35.0	38.1	33.3	-3.1	1.7
Government	714.8	709.3	709.9	5.5	4.9
Federal government	95.7	95.9	94.3	-.1	1.5
State government	165.8	166.2	162.5	-.4	3.3
State government education	90.9	91.0	87.9	-.1	3.0
State government, except education	74.9	75.1	74.5	-.2	.4
Local government	453.3	447.3	453.2	6.0	.1
Local government education	267.4	263.7	268.8	3.7	-1.4
Local government, except education	185.9	183.6	184.4	2.3	1.5

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$523.87	\$521.37	\$516.43	42.8	42.7	43.0	\$12.24	\$12.21	\$12.01
Durable Goods ^e	545.58	542.59	540.27	43.3	43.2	43.5	12.60	12.56	12.42
Lumber and wood products	342.36	337.42	313.88	41.7	41.3	41.3	8.21	8.17	7.60
Furniture and fixtures	393.21	384.14	363.04	42.1	41.8	40.7	9.34	9.19	8.92
Stone, clay, and glass products	470.13	470.98	468.70	42.7	42.7	43.0	11.01	11.03	10.90
Glass and glassware, pressed or blown	496.27	493.50	490.89	42.2	42.0	42.1	11.76	11.75	11.66
Primary metal industries	633.92	624.34	633.36	44.8	44.5	45.5	14.15	14.03	13.92
Blast furnace and basic steel products	662.39	640.01	656.04	45.4	44.6	46.2	14.59	14.35	14.20
Iron and steel foundries	665.80	661.62	662.27	45.2	45.1	45.8	14.73	14.67	14.46
Nonferrous rolling and drawing	643.97	652.21	644.98	42.2	42.6	43.2	15.26	15.31	14.93
Fabricated metal products	515.82	512.48	518.06	42.7	42.6	43.1	12.08	12.03	12.02
Cutlery, hand tools, and hardware	500.09	500.80	494.46	40.2	40.0	41.0	12.44	12.52	12.06
Fabricated structural metal products	452.86	452.28	447.20	41.7	41.8	41.6	10.86	10.82	10.75
Metal forgings and stampings	645.18	639.01	648.17	44.1	44.1	45.2	14.63	14.49	14.34
Machinery, except electrical	536.99	541.11	526.59	43.8	44.1	43.7	12.26	12.27	12.05
Construction and related machinery	443.81	443.39	409.02	41.4	41.4	40.1	10.72	10.71	10.20
Metalworking machinery	514.21	522.82	495.00	44.1	44.8	44.0	11.66	11.67	11.25
Special industry machinery	509.78	515.00	512.96	44.6	44.9	44.8	11.43	11.47	11.45
General industrial machinery	566.72	562.89	559.33	44.0	43.5	43.8	12.88	12.94	12.77
Office and computing machines	450.14	444.61	417.59	40.7	40.2	40.9	11.06	11.06	10.21
Refrigeration and service machinery	619.77	624.36	652.15	43.8	44.0	45.1	14.15	14.19	14.46
Electric and electronic equipment	464.67	464.26	469.25	41.6	41.6	41.6	11.17	11.16	11.29
Electrical industrial apparatus	476.98	480.04	465.63	43.6	44.0	42.1	10.94	10.91	11.06
Household appliances	490.45	476.71	490.45	40.3	39.3	40.6	12.17	12.13	12.08
Electric lighting and wiring equipment	472.53	484.72	481.82	40.7	41.5	41.5	11.61	11.68	11.61
Communication equipment	508.98	500.12	503.87	42.7	42.6	42.2	11.92	11.74	11.94
Transportation equipment	690.20	683.99	678.00	44.5	44.3	45.2	15.51	15.44	15.00
Motor vehicles and equipment	717.30	703.04	711.91	45.0	44.3	45.9	15.94	15.87	15.51
Aircraft and parts	627.40	660.74	586.09	43.6	45.6	43.0	14.39	14.49	13.63
Instruments and related products	378.95	373.03	359.20	40.1	39.6	39.3	9.45	9.42	9.14
Measuring and controlling devices	375.20	375.39	352.20	38.8	38.7	38.2	9.67	9.70	9.22
Nondurable Goods ^f	472.99	473.71	460.90	41.6	41.7	41.9	11.37	11.36	11.00
Food and kindred products	454.95	455.20	436.31	41.7	41.8	41.2	10.91	10.89	10.59
Meat products	391.00	367.98	382.39	42.5	41.3	41.7	9.20	8.91	9.17
Dairy products	459.00	464.19	452.15	42.5	43.1	42.1	10.80	10.77	10.74
Preserved fruits and vegetables	465.20	486.36	444.21	40.7	42.0	40.2	11.43	11.58	11.05
Bakery products	463.63	462.08	464.11	38.7	38.7	39.6	11.98	11.94	11.72
Beverages	432.00	431.09	423.69	41.3	40.9	40.7	10.46	10.54	10.41
Apparel and other textile products	294.51	297.99	303.11	38.1	38.7	40.2	7.73	7.70	7.54
Paper and allied products	484.22	494.76	486.41	42.7	43.4	43.9	11.34	11.40	11.08
Misc. converted paper products	423.36	448.76	426.51	42.0	43.4	43.3	10.08	10.34	9.85
Paperboard containers and boxes	425.15	424.20	439.64	41.6	42.0	43.4	10.22	10.10	10.13
Printing and publishing	444.24	447.70	445.31	38.9	39.1	39.2	11.42	11.45	11.36
Newspapers	383.38	376.66	375.06	34.2	33.6	34.6	11.21	11.21	10.84
Commercial printing	431.74	437.60	439.39	39.5	40.0	40.2	10.93	10.94	10.93
Chemicals and allied products	572.04	578.34	540.47	42.0	42.4	41.8	13.62	13.64	12.93
Industrial inorganic chemicals	594.00	593.06	588.64	43.2	43.1	43.7	13.75	13.76	13.47
Rubber and misc. plastics products	457.09	446.69	452.92	43.0	42.3	43.3	10.63	10.56	10.46
Tires and inner tubes	700.26	698.60	700.38	46.1	45.9	47.1	15.19	15.22	14.87
Miscellaneous plastics products	441.27	429.24	433.29	42.8	42.0	42.9	10.31	10.22	10.10

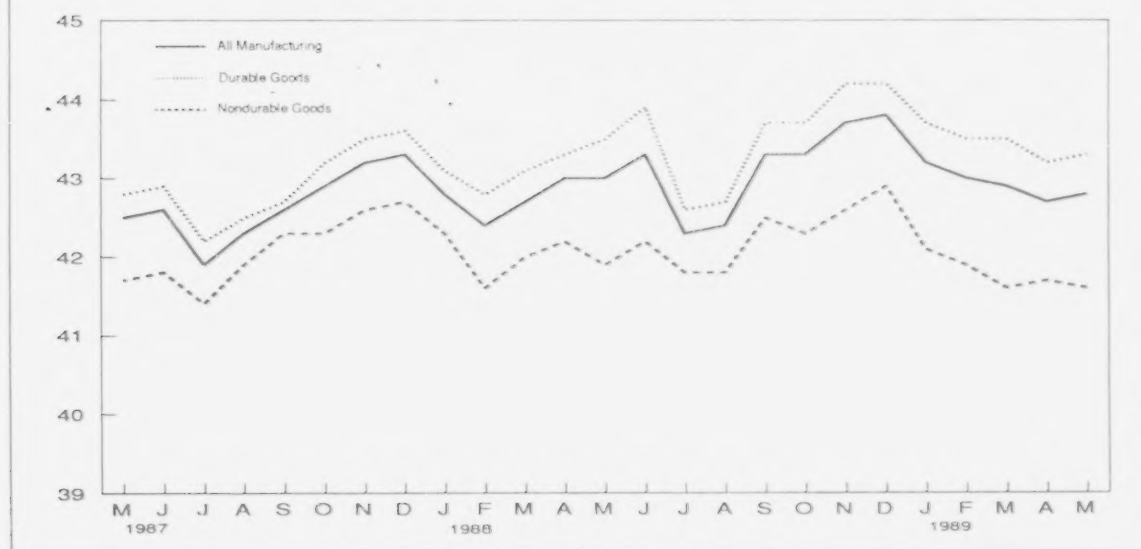
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers^a

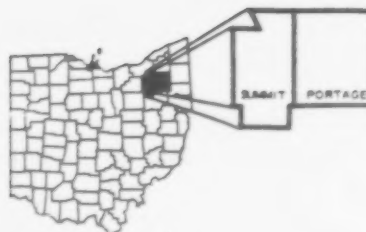
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Mining	\$583.43	\$585.61	\$528.67	43.9	43.8	42.6	\$13.29	\$13.37	\$12.41
Bituminous coal and lignite mining	707.85	704.55	632.30	42.9	42.7	41.3	16.50	16.50	15.31
Construction	591.31	609.92	573.53	38.8	40.1	38.7	15.24	15.21	14.82
Transportation and Public Utilities									
Communication, electric, gas services ..	577.13	575.91	561.25	40.7	40.7	40.7	14.18	14.15	13.79
Communication	553.38	545.48	535.06	40.1	39.7	39.9	13.80	13.74	13.41
Electric, gas, and sanitary services ..	604.03	610.28	593.39	41.4	41.8	41.7	14.59	14.60	14.23
Wholesale Trade	402.98	398.73	388.08	39.2	38.9	39.2	10.28	10.25	9.90
Wholesale trade-durable goods	392.56	388.55	381.42	39.1	38.7	39.2	10.04	10.04	9.73
Wholesale trade-nondurable goods	420.12	416.58	399.45	39.3	39.3	39.2	10.69	10.60	10.19
Retail Trade ^h	172.74	171.82	163.86	28.6	28.4	28.3	6.04	6.05	5.79
General merchandise stores	184.03	183.33	176.88	28.8	28.6	28.3	6.39	6.41	6.25
Department stores	190.09	188.43	181.48	29.2	28.9	28.4	6.51	6.52	6.39
Finance, Insurance, and Real Estate									
Banking	270.11	270.14	265.10						
Credit agencies other than banks	276.67	277.18	266.94						
Insurance carriers	388.83	387.85	371.47						
Services									
Health services									
Hospitals	347.43	346.45	336.96	32.5	32.5	33.1	10.69	10.66	10.18

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm wage and salary employment in the Akron metropolitan area totaled 282,100 in May, an increase of 3,100 from April 1989. Continued improvements were noted in retail trade, services, and construction. The manufacturing workforce declined 100 to 66,000. Scattered decreases in durable goods negated slight growth among producers of nondurable goods. Factory production workers averaged \$11.46 per hour, down fractionally from last month. Their average workweek of 42.6 hours was .3 hours longer.

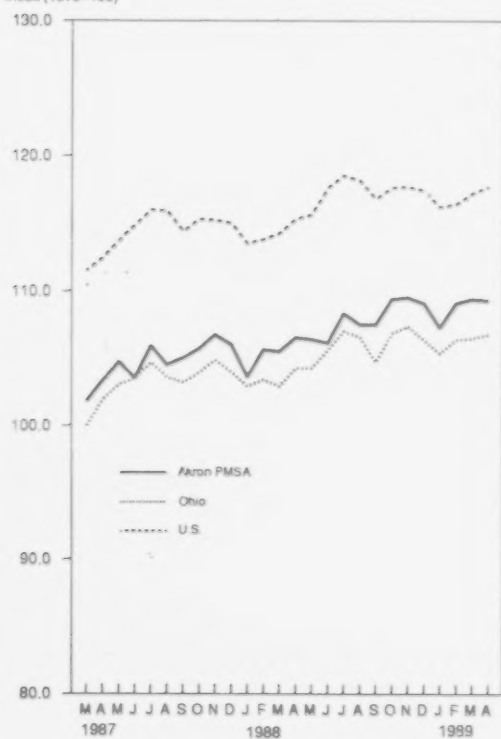
Nonagricultural payroll employment advanced 8,300 between May 1988 and May 1989. Noteworthy expansion occurred in retail trade, services, especially business services, and state and local schools and colleges. Manufacturing employment increased 200 over the year. Growth in nonelectrical machinery and rubber and miscellaneous plastics products outweighed reductions in fabricated metal products.

Indexes of Total Employment

Akron PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

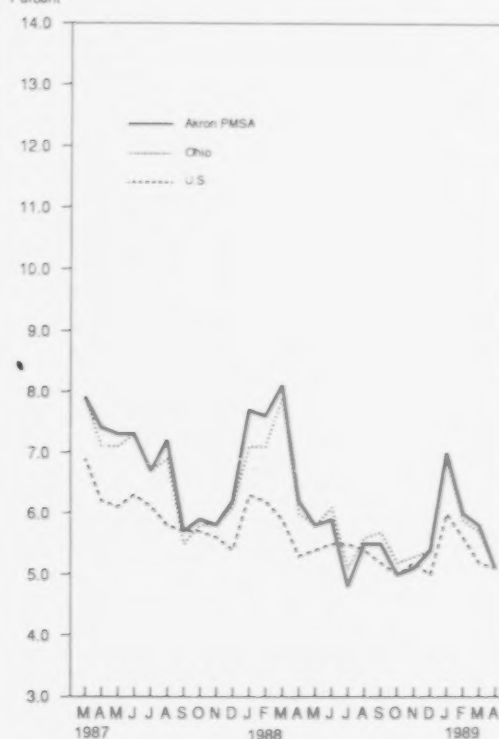


Unemployment Rates

Akron PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

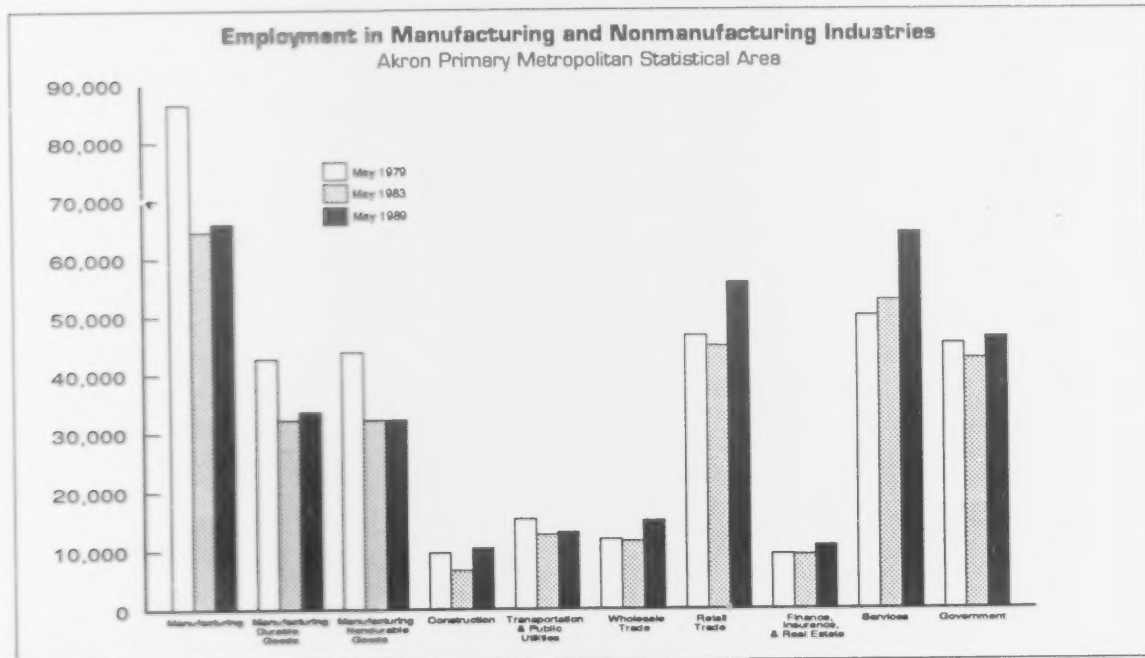
Percent



Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment					
		Total	Rate		Manufacturing Production Workers					
					Hours & Earnings					
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	\$304.14	42.3	\$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
324.0	304.0	19.9	6.2	April	270.8	65.9	37.3	512.60	43.7	11.73
322.4	303.8	18.6	5.8	May	273.8	65.8	37.6	504.88	43.3	11.66
322.0	302.9	19.1	5.9	June	270.4	66.4	38.0	518.62	44.1	11.76
324.5	309.1	15.5	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.9	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
INA	INA	INA	INA	May	282.1	66.0	38.9	488.20	42.6	11.46

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	282.1	279.0	273.8	3.1	8.3
Manufacturing	66.0	66.1	65.8	-.1	.2
Durable Goods ^e	33.7	34.0	34.0	-.3	-.3
Fabricated metal products	11.0	11.0	11.3	.0	-.3
Machinery, except electrical	9.6	9.7	9.2	-.1	.3
Metalworking machinery	3.4	3.4	3.3	.0	.2
Nondurable Goods ^f	32.3	32.2	31.9	.2	.4
Food and kindred products	2.8	2.8	2.9	.0	-.1
Chemicals and allied products	3.5	3.5	3.6	.0	-.1
Rubber and misc. plastics products	19.3	19.3	19.2	.0	.2
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing^g	216.1	212.9	208.0	3.2	8.1
Construction	10.4	9.6	9.7	.8	.7
Transportation and Public Utilities	13.1	13.0	12.8	.0	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	15.0	14.9	14.3	.0	.7
Retail Trade	55.7	54.8	52.8	.9	2.9
General merchandise stores	6.4	6.4	6.2	.0	.2
Finance, Insurance, and Real Estate	10.8	10.7	10.7	.1	.1
Banking	3.1	3.1	3.1	.0	.0
Services	64.3	63.4	62.1	.9	2.3
Business services	14.3	14.2	13.0	.1	1.3
Amusement and recreation services	3.3	3.2	3.7	.1	-.4
Health services	20.4	20.3	19.9	.1	.5
Government	46.2	45.8	45.0	.4	1.1
State government	17.2	17.3	16.4	-.1	.8
State government education ^h	14.2	14.4	13.4	-.2	.8
State government, except education	3.0	2.9	3.0	.1	.0
Local government	26.4	25.9	26.2	.5	.2
Local government education	15.1	14.8	14.8	.3	.3
Local government, except education	11.4	11.2	11.4	.2	.0

Akron PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$488.20	\$485.18	\$504.88	42.6	42.3	43.3	\$11.46	\$11.47	\$11.66
Durable Goods ^e	506.22	496.60	522.87	42.9	42.3	43.5	11.80	11.74	12.02
Fabricated metal products	650.60	617.19	668.29	43.9	42.1	45.4	14.82	14.66	14.72
Machinery, except electrical	453.90	456.26	460.28	44.5	44.6	44.3	10.20	10.23	10.39
Metalworking machinery	484.36	470.65	483.21	44.6	43.7	45.5	10.86	10.77	10.62
Nondurable Goods ^f	464.20	470.38	478.59	42.2	42.3	43.0	11.00	11.12	11.13
Food and kindred products	418.90	418.91	449.17	42.1	41.6	41.9	9.95	10.07	10.72
Chemicals and allied products	499.25	504.57	499.80	41.5	41.7	42.5	12.03	12.10	11.76
Rubber and misc. plastics products	489.44	479.27	505.08	43.7	43.1	44.5	11.20	11.12	11.35
Tires and inner tubes	825.29	824.28	811.34	50.2	50.2	50.3	16.44	16.42	16.13
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ...	583.02	578.14	562.78	41.0	40.8	40.9	14.22	14.17	13.76
Wholesale Trade	349.81	351.91	348.81	36.9	37.2	38.5	9.48	9.46	9.06
Retail Trade ^h	208.97	210.59	195.31	32.1	32.2	31.3	6.51	6.54	6.24

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

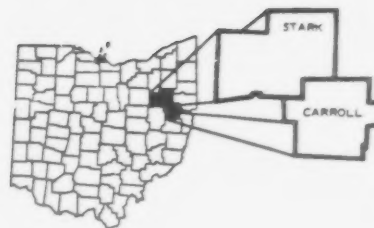
Selected Administrative Program Activities

Akron PMSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	1,945	2,482	2,621
Active File of Job Seekers	14,927	18,414	17,763
Referrals to Jobs	957	1,769	1,492
Placements	514	258	339
Job Openings Received	504	786	946
Job Openings Unfilled	1,561	1,785	1,582
Unemployment Insurance Program			
Initial Claims	2,068	1,744	2,153
Continued Claims	22,492	23,590	22,128
First Payments	INA	923	823
Last Payments	413	309	394
Weeks Compensated	INA	22,159	17,034
Benefits Paid	INA	\$3,430,270	\$2,580,200
Average Weekly Payment	INA	\$159.20	\$155.01

INA - Information not available

CANTON METROPOLITAN STATISTICAL AREA



Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, nonfarm payroll employment increased 2,300 from April to 165,100 in May 1989. Nonmanufacturing employment rose 2,000 due to more business in construction, retail trade, and services. Growth in nondurable-goods industries, especially food and kindred products, increased manufacturing employment 300 over the month to 45,800. Factory production worker average hourly earnings of \$11.78 were little changed from April. Their average workweek was .2 hours shorter at 42.0 hours.

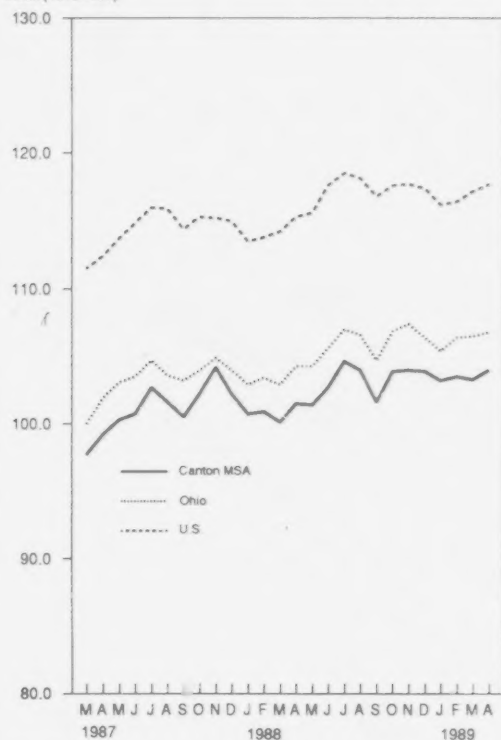
Nonagricultural wage and salary employment advanced 5,400 between May 1988 and May 1989. A major portion of the improvement occurred in the nonmanufacturing sector. Leading growth industries were retail trade, services, and construction. Modest expansion in primary metal industries and food and kindred products helped raise manufacturing employment 1,200 during the period.

Indexes of Total Employment

Canton MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

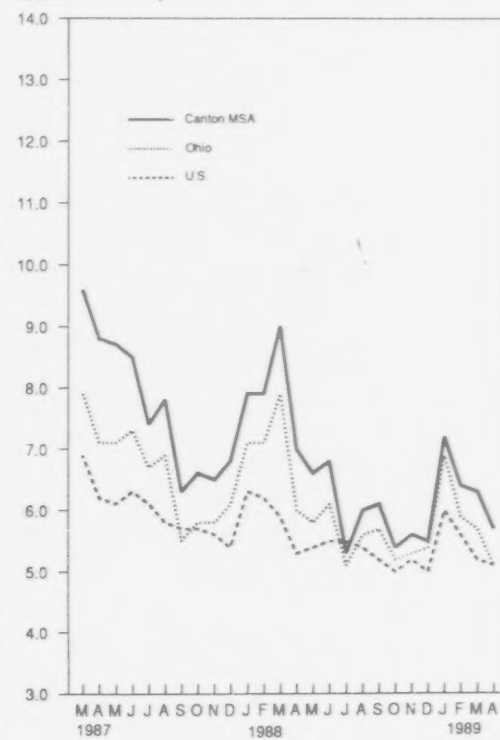


Unemployment Rates

Canton MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Percent



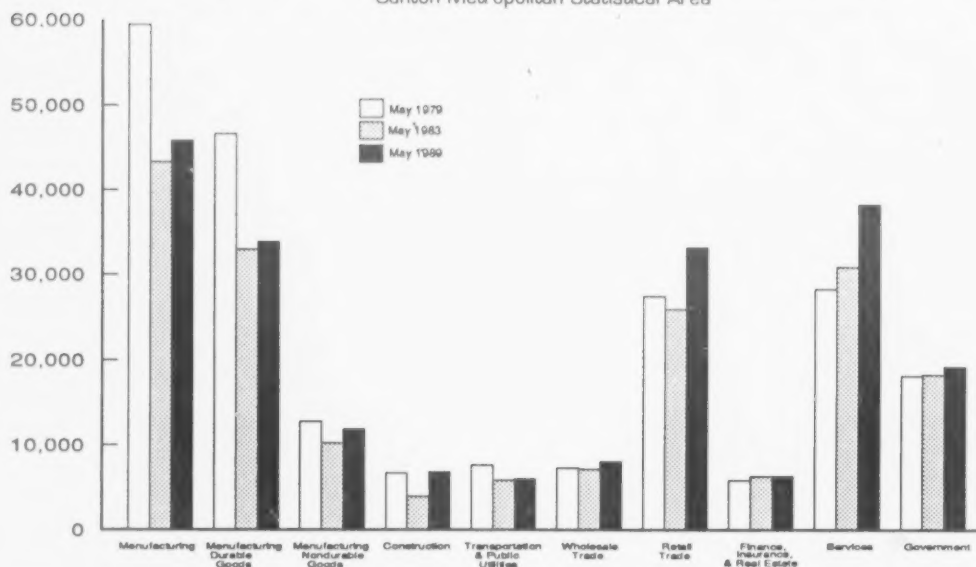
Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force			
Total	Employed	Unemployed	
		Total	Rate
179.9	170.0	9.9	5.5
184.3	173.7	10.6	5.7
187.7	170.9	16.8	8.9
188.4	170.1	18.2	9.7
191.4	164.3	27.0	14.1
187.0	159.5	27.5	14.7
188.1	168.1	19.9	10.6
189.5	169.5	20.0	10.6
190.5	171.2	19.4	10.2
190.4	174.7	15.7	8.2
190.5	178.0	12.6	6.6
189.5	176.3	13.2	7.0
188.7	176.2	12.5	6.6
191.5	178.4	13.1	6.8
191.9	181.7	10.2	5.3
192.3	180.6	11.6	6.0
188.0	176.5	11.5	6.1
190.9	180.5	10.3	5.4
191.4	180.7	10.7	5.6
191.0	180.5	10.4	5.5
193.0	179.2	13.9	7.2
192.1	179.7	12.3	6.4
191.5	179.4	12.1	6.3
191.6	180.7	10.9	5.7
INA	INA	INA	INA

INA - information not available

Nonagricultural Wage & Salary Employment					
Manufacturing Employment					
Manufacturing Production Workers					
Hours & Earnings					
			Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
1978	156.1	57.1	42.2	\$304.67	40.3
1979	160.8	59.1	43.2	330.88	40.9
1980	157.1	55.7	40.1	342.81	39.0
1981	156.6	54.8	39.6	390.40	40.0
1982	148.6	47.6	33.3	394.49	38.6
1983	143.4	43.5	30.6	422.14	39.6
1984	149.1	46.4	33.6	437.53	40.4
1985	151.5	46.2	33.8	435.81	39.8
1986	151.9	43.7	31.0	451.76	40.3
1987	156.4	44.0	31.2	475.15	41.9
1988	159.5	44.9	32.1	489.49	42.9
1988	157.9	44.4	31.5	493.34	43.2
April	159.7	44.6	31.7	492.05	43.2
May	160.8	45.1	32.3	485.78	42.8
June	160.6	45.2	32.3	475.88	42.3
July	159.7	44.7	31.8	474.47	42.1
August	160.9	45.1	32.2	487.34	42.6
September	162.2	45.3	32.4	493.78	42.9
October	163.6	45.4	32.7	490.78	42.9
November	163.0	45.7	33.0	499.23	43.0
December	160.0	46.0	33.2	500.39	43.1
1989	159.1	45.3	32.5	491.90	42.7
January	150.0	45.2	32.4	497.03	42.3
February	162.7	45.5	32.7	496.27	42.2
March	165.1	45.8	33.0	494.76	42.0
April					
May					

Employment in Manufacturing and Nonmanufacturing Industries
Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April - 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	165.1	162.7	159.7	2.3	5.4
Manufacturing	45.8	45.5	44.6	.3	1.2
Durable Goods ^e	33.9	33.8	33.0	.1	.9
Primary metal industries	11.6	11.6	11.1	.0	.5
Fabricated metal products	6.6	6.6	6.6	.0	.0
Metal forgings and stampings	2.3	2.2	2.1	.0	.2
Nondurable Goods ^f	11.9	11.7	11.6	.3	.3
Food and kindred products	3.4	3.2	3.2	.2	.2
Rubber and misc. plastics products	3.0	3.0	3.0	.0	.0
Nonmanufacturing^g	119.2	117.2	115.1	2.0	4.2
Construction	6.9	6.2	6.1	.6	.8
Transportation and Public Utilities	6.0	5.9	5.7	.1	.3
Communication, electric, gas services	2.7	2.7	2.5	.0	.1
Wholesale Trade	8.1	8.0	7.8	.1	.2
Wholesale trade-durable goods	4.4	4.4	4.3	.0	.1
Retail Trade	33.2	32.6	31.6	.6	1.6
General merchandise stores	4.0	4.0	3.8	.0	.1
Food stores	5.8	5.7	5.3	.1	.5
Finance, Insurance, and Real Estate	6.3	6.3	6.4	.0	-.1
Banking	1.8	1.8	1.8	.0	.0
Services	38.4	38.0	37.1	.4	1.4
Health services	15.4	15.3	15.2	.0	.1
Government	19.4	19.2	19.5	.2	-.1
State government (includes education)	1.7	1.7	1.8	.0	.0
Local government	16.3	16.1	16.3	.2	.0
Local government education	10.0	9.8	9.9	.2	.1
Local government, except education	6.3	6.3	6.4	.0	-.1

Canton MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$494.76	\$496.27	\$492.05	42.0	42.2	43.2	\$11.78	\$11.76	\$11.39
Durable Goods ^e	527.67	527.61	515.22	42.9	43.0	43.7	12.30	12.27	11.79
Primary metal industries	606.97	605.64	610.77	45.5	45.4	47.2	13.34	13.34	12.94
Fabricated metal products	480.17	485.55	444.94	40.9	41.5	41.7	11.74	11.70	10.67
Metal forgings and stampings	564.01	572.12	579.68	40.9	41.7	40.2	13.79	13.72	14.42
Nondurable Goods ^f	396.19	397.19	423.61	39.5	39.6	41.9	10.03	10.03	10.11
Food and kindred products	436.21	411.57	444.04	39.8	38.5	40.7	10.96	10.69	10.91
Rubber and misc. plastics products	406.02	403.50	423.19	41.6	41.3	41.9	9.76	9.77	10.10
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	572.24	575.09	543.65	40.7	40.7	40.3	14.06	14.13	13.49
Wholesale Trade	383.91	380.14	380.89	38.2	37.6	37.6	10.05	10.11	10.13
Retail Trade ^h	165.29	164.42	158.08	28.4	28.3	28.9	5.82	5.81	5.47

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

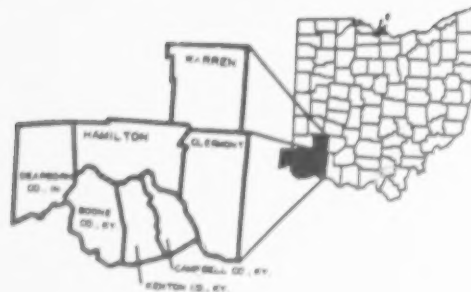
Selected Administrative Program Activities

Canton MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	1,231	1,248	1,343
Active File of Job Seekers	10,473	12,037	12,276
Referrals to Jobs	752	1,039	1,129
Placements	186	475	183
Job Openings Received	329	377	629
Job Openings Unfilled	465	589	1,103
Unemployment Insurance Program			
Initial Claims	2,073	2,032	1,403
Continued Claims	14,462	14,484	14,343
First Payments	INA	1,065	566
Last Payments	222	170	237
Weeks Compensated	INA	13,299	10,828
Benefits Paid	INA	\$2,066,387	\$1,529,491
Average Weekly Payment	INA	\$161.22	\$145.82

INA - Information not available

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area rose 8,200 above the April level to 730,500 in May 1989. Seasonal expansion in services, especially amusement and recreation services, retail trade, and construction contributed most to the improvement. Manufacturing employment increased 600 to 146,400 due to modest gains in durable goods, printing and publishing, and rubber and miscellaneous plastics products. Factory production workers averaged \$11.40 per hour, down \$.08 from April. Their average workweek of 42.6 hours was .2 hours shorter.

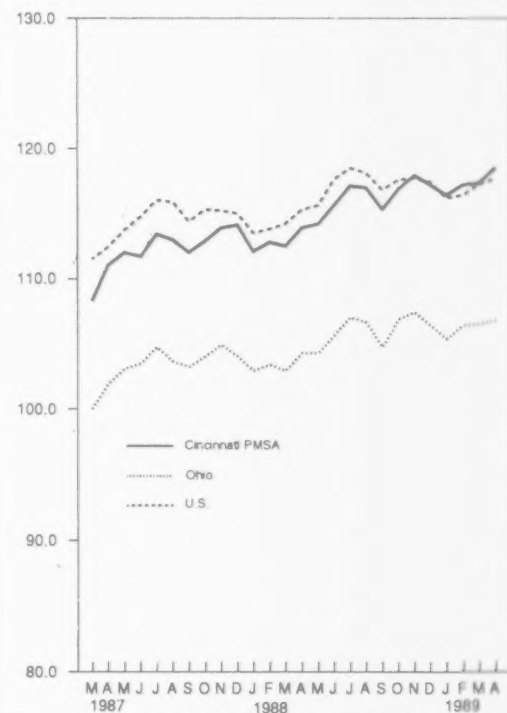
Total nonfarm wage and salary employment advanced 30,400 between May 1988 and May 1989. Significant expansion occurred in services, especially business and health services, retail trade, and construction. Notable gains were also recorded in transportation and public utilities, state and local government, and wholesale trade. The manufacturing workforce added 2,700 jobs over the year. Moderate growth in nonelectrical machinery, food and kindred products, and printing and publishing overshadowed a reduction in transportation equipment.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

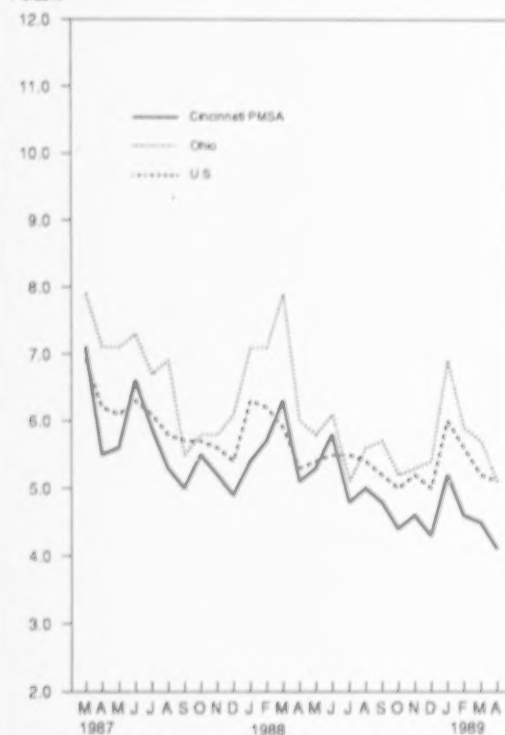


Unemployment Rates

Cincinnati PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

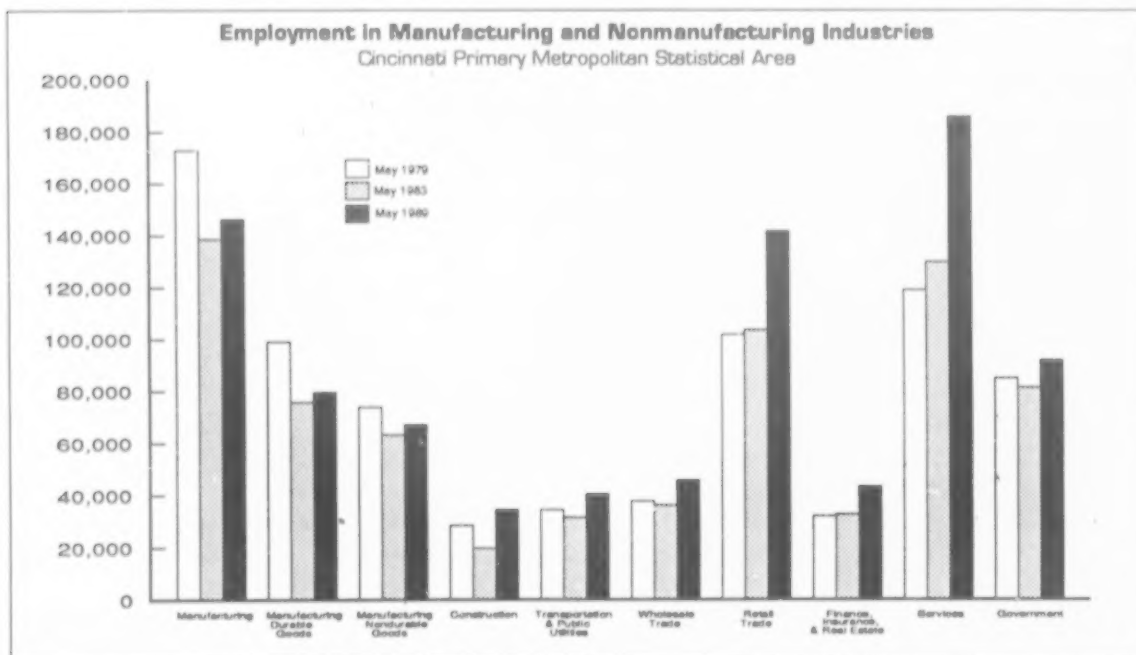
Percent



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate								
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81	
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31	
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06	
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78	
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57	
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11	
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56	
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67	
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76	
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95	
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15	
				1989							
753.7	715.3	38.4	5.1	April	694.4	144.3	92.0	462.42	42.0	11.01	
757.6	717.2	40.4	5.3	May	700.1	143.7	91.4	465.63	42.1	11.06	
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11	
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10	
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23	
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25	
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26	
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31	
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33	
				1989							
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40	
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47	
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46	
775.6	744.0	31.6	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48	
INA	INA	INA	INA	May	730.5	146.4	92.3	485.64	42.6	11.40	

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	730.5	722.3	700.1	8.2	30.4
Manufacturing	146.4	145.8	143.7	.6	2.7
Durable Goods ^e	79.4	79.1	78.4	.3	1.1
Fabricated metal products	10.8	10.9	10.7	-.1	.1
Fabricated structural metal products	3.7	3.7	3.8	.0	-.1
Machinery, except electrical	21.4	21.3	20.6	.1	.7
Metalworking machinery	8.7	8.7	8.6	.1	.1
General industrial machinery	3.1	3.1	2.9	.0	.1
Electric and electronic equipment	9.0	8.9	8.6	.1	.3
Transportation equipment	23.3	23.4	24.1	.0	-.7
Motor vehicles and equipment	5.0	5.1	4.9	-.1	.1
Nondurable Goods ^f	66.9	66.7	65.3	.3	1.6
Food and kindred products	12.9	12.9	12.2	-.1	.6
Beverages	3.5	3.4	3.3	.1	.2
Apparel and other textile products	3.7	3.8	3.5	-.1	.2
Paper and allied products	6.2	6.1	5.9	.0	.3
Printing and publishing	13.5	13.3	13.0	.2	.5
Commercial printing	6.2	6.3	5.9	-.1	.3
Chemicals and allied products	22.6	22.5	22.4	.1	.2
Rubber and misc. plastics products	6.0	5.9	6.1	.2	-.1
Nonmanufacturing^g	584.1	576.5	556.4	7.6	27.7
Construction	34.5	33.0	31.1	1.5	3.4
Transportation and Public Utilities	40.4	40.0	37.6	.4	2.7
Trucking and warehousing	11.4	11.2	10.4	.2	1.0
Communication, electric, gas services	15.7	15.6	15.3	.1	.4
Wholesale Trade	45.7	45.6	44.1	.1	1.6
Wholesale trade-durable goods	26.9	26.8	26.0	.1	.9
Retail Trade	141.9	140.0	133.9	1.9	8.0
General merchandise stores	20.1	20.0	19.3	.1	.8
Finance, Insurance, and Real Estate	43.3	43.0	41.9	.3	1.4
Banking	9.4	9.4	8.9	.1	.5
Insurance carriers	14.4	14.4	14.4	.0	.0
Services	186.0	183.0	177.9	3.0	8.1
Hotels and other lodging places	7.8	7.6	7.5	.2	.3
Personal services	9.4	9.8	8.8	-.4	.6
Business services	45.9	45.5	41.8	.5	4.1
Amusement and recreation services	10.7	8.6	11.5	2.0	-.9
Health services	55.1	55.0	53.3	.1	1.8
Hospitals	26.3	26.2	25.3	.0	.9
Government	92.0	91.5	89.4	.5	2.6
Federal government	15.8	16.1	15.4	-.3	.4
State government	21.4	21.3	20.4	.1	1.0
State government education ^h	13.4	13.4	12.6	.1	.8
State government, except education	7.9	7.9	7.8	.0	.2
Local government	54.8	54.0	53.6	.7	1.2
Local government education	31.2	30.6	31.0	.6	.2
Local government, except education	23.6	23.4	22.6	.1	1.0

Cincinnati PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$485.64	\$491.34	\$465.63	42.6	42.8	42.1	\$11.40	\$11.48	\$11.06
Durable Goods ^d	479.95	496.34	460.22	42.7	43.5	42.3	11.24	11.41	10.88
Fabricated metal products	410.48	422.17	418.35	41.8	42.6	42.3	9.82	9.91	9.89
Fabricated structural metal products	448.35	470.80	435.87	42.7	44.0	43.5	10.50	10.70	10.02
Machinery, except electrical	440.91	435.08	427.57	42.6	42.2	42.8	10.35	10.31	9.99
Metalworking machinery	484.87	491.46	491.94	44.2	44.8	44.6	10.97	10.97	11.03
General industrial machinery	436.77	427.25	422.55	42.2	41.4	44.2	10.35	10.32	9.56
Electric and electronic equipment	368.51	359.07	324.76	40.9	40.3	38.8	9.01	8.91	8.37
Transportation equipment	741.97	811.15	692.80	46.2	49.4	45.4	16.06	16.42	15.26
Motor vehicles and equipment	855.85	898.14	852.00	49.3	50.8	50.0	17.36	17.68	17.04
Nondurable Goods ^f	489.72	485.83	470.12	42.4	42.1	41.9	11.55	11.54	11.23
Food and kindred products	507.61	500.44	488.31	42.8	42.7	41.7	11.86	11.72	11.71
Beverages	515.57	512.21	505.12	40.5	40.3	41.0	12.73	12.71	12.32
Apparel and other textile products	232.09	242.06	228.05	37.8	38.3	38.2	6.14	6.32	5.97
Paper and allied products	485.37	474.52	429.25	44.9	44.1	42.5	10.81	10.76	10.10
Printing and publishing	447.35	453.66	453.66	39.8	39.9	39.9	11.24	11.37	11.37
Commercial printing	465.04	472.99	484.08	41.3	41.6	42.5	11.26	11.37	11.39
Chemicals and allied products	583.79	592.70	561.04	42.8	43.2	42.6	13.64	13.72	13.17
Rubber and misc. plastics products	447.07	374.75	407.08	45.9	41.5	44.2	9.74	9.03	9.21
Transportation and Public Utilities	582.62	588.34	556.14	40.8	41.2	40.3	14.28	14.28	13.80
Communication, electric, gas services	582.62	588.34	556.14	40.8	41.2	40.3	14.28	14.28	13.80
Wholesale Trade	424.32	422.09	405.81	40.8	40.9	40.5	10.40	10.32	10.02
Retail Trade ^h	169.63	169.01	165.31	28.8	28.5	28.9	5.89	5.93	5.72
Finance, Insurance, and Real Estate	265.54	265.22	256.87	.....	.....	.....	.....	.....	.....
Banking	265.54	265.22	256.87	.....	.....	.....	.....	.....	.....

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education.

^jDepressed due to labor-management disputes.

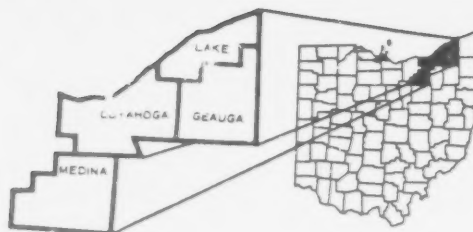
Selected Administrative Program Activities^a

Cincinnati PMSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	3,046	2,488	2,267
Active File of Job Seekers	15,684	17,369	21,228
Referrals to Jobs	1,953	1,584	1,580
Placements	315	324	291
Job Openings Received	891	1,024	1,397
Job Openings Unfilled	1,682	1,823	1,815
Unemployment Insurance Program			
Initial Claims	3,787	3,288	3,244
Continued Claims	34,497	31,624	36,492
First Payments	INA	1,540	1,855
Last Payments	468	505	560
Weeks Compensated	INA	27,909	30,067
Benefits Paid	INA	\$4,382,863	\$4,668,854
Average Weekly Payment	INA	\$162.74	\$157.31

^aOhio data only
INA - Information not available

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cleveland metropolitan area totaled 926,800 in May 1989, up 9,600 from the April level. The settlement of a labor-management dispute in local government, except education and seasonal hirings in retail trade, construction, and services, especially amusement and recreation services, contributed most to the improvement. Manufacturing employment rose slightly over the month to 204,900. Factory production workers averaged \$11.98 per hour, little changed from last month. Their average workweek declined .2 hours to 43.1 hours.

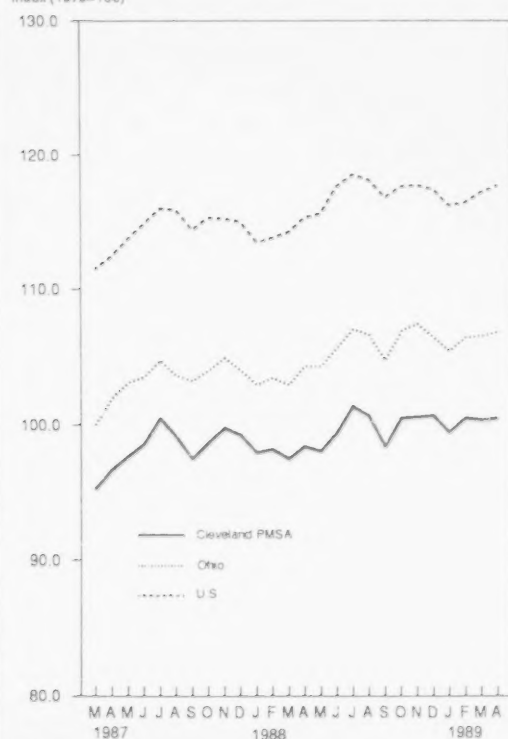
Total nonfarm wage and salary employment advanced 24,100 between May 1988 and May 1989. The leading growth industry was services (+10,100) with significant increases in business and health services. Noteworthy expansion was also registered in retail trade (+4,200) and wholesale trade (+1,800). The manufacturing workforce added 4,400 jobs during the period. Moderate improvements occurred in nonelectrical machinery, transportation equipment, fabricated metal products, primary metal products, printing and publishing, and chemicals and allied products.

Indexes of Total Employment

Cleveland PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

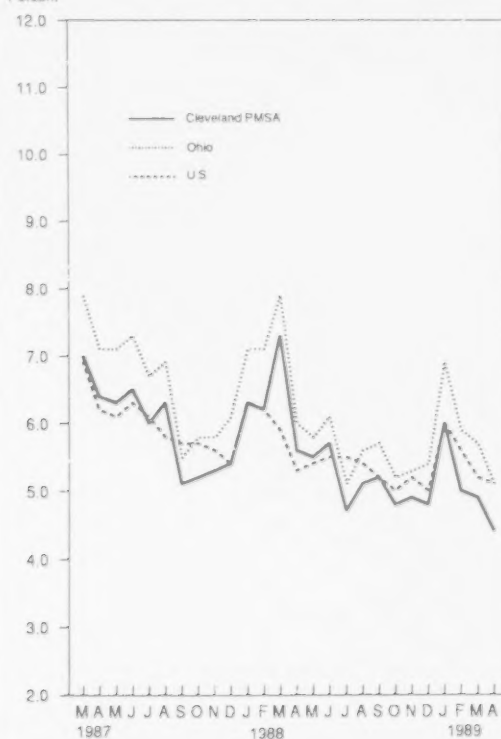


Unemployment Rates

Cleveland PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

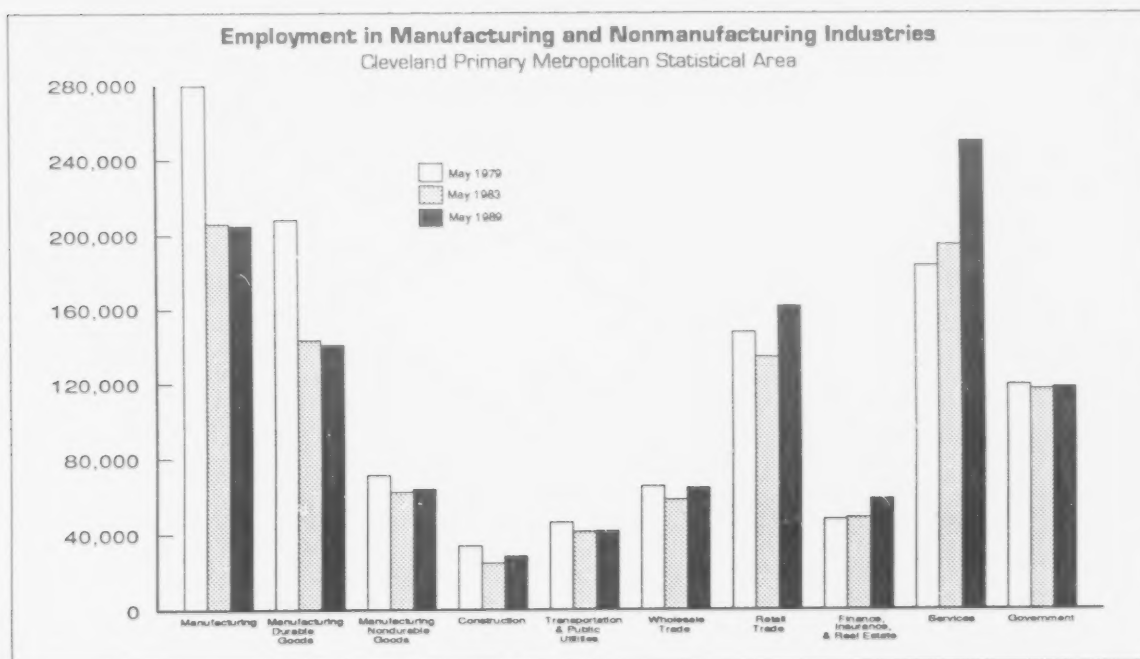
Percent



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment							
					Total		Rate		Manufacturing Employment			
									Manufacturing Production Workers			
									Hours & Earnings			
Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings										
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	\$321.75	42.9	\$ 7.50		
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00		
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63		
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62		
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10		
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45		
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86		
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19		
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44		
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57		
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84		
				1988								
925.5	873.9	51.6	5.6	April	894.9	200.1	128.5	512.55	43.4	11.81		
922.0	871.3	50.7	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83		
936.6	883.0	53.5	5.7	June	911	202.2	130.4	518.28	43.7	11.86		
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69		
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79		
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91		
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93		
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03		
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15		
				1989								
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08		
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00		
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01		
933.9	892.7	41.2	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99		
INA	INA	INA	INA	May	926.8	204.9	131.9	516.34	43.1	11.98		

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	926.8	917.2	902.7	9.6	24.1
Manufacturing	204.9	204.9	200.6	.1	4.4
Durable Goods ^e	141.0	140.9	137.2	.1	3.8
Primary metal industries	21.7	21.6	21.3	.1	.4
Iron and steel foundries	4.5	4.5	4.7	-.1	-.2
Fabricated metal products	32.8	32.9	32.3	-.1	.5
Fabricated structural metal products	4.1	4.2	3.8	.0	.3
Screw machine products, bolts, etc.	4.9	4.9	4.9	.0	.1
Metal forgings and stampings	11.0	11.1	11.0	-.1	.0
Machinery, except electrical	30.7	30.7	29.2	.0	1.4
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	10.4	10.4	9.8	.0	.5
Special industry machinery	2.6	2.6	2.5	.0	.1
General industrial machinery	3.3	3.2	3.0	.1	.2
Electric and electronic equipment	18.0	18.0	17.8	.0	.2
Electrical industrial apparatus	6.7	6.7	6.3	.0	.4
Transportation equipment	19.7	19.7	19.1	.1	.7
Motor vehicles and equipment	12.5	12.5	11.9	.0	.7
Instruments and related products	6.6	6.5	6.4	.1	.2
Measuring and controlling devices	4.5	4.5	4.3	.1	.2
Nondurable Goods ^f	63.9	64.0	63.4	-.1	.6
Food and kindred products	6.6	6.6	6.5	.0	.1
Apparel and other textile products	3.5	3.5	3.6	.0	-.1
Paper and allied products	5.9	5.9	5.9	.0	.0
Printing and publishing	16.0	16.0	15.8	.0	.3
Chemicals and allied products	15.2	15.2	14.9	.0	.3
Rubber and misc. plastics products	11.4	11.5	11.4	-.1	.0
Nonmanufacturing ^g	721.8	712.3	702.1	9.6	19.7
Construction	28.3	26.5	27.6	1.8	.7
Transportation and Public Utilities	41.4	41.2	41.2	.2	.3
Trucking and warehousing	12.1	12.0	11.9	.1	.2
Communication, electric, gas services	17.1	17.2	17.4	-.1	-.3
Wholesale Trade	64.2	63.8	62.4	.4	1.8
Wholesale trade-durable goods	44.6	44.4	43.3	.2	1.3
Retail Trade	161.3	158.8	157.1	2.5	4.2
General merchandise stores	20.5	20.5	20.1	.0	.4
Finance, Insurance, and Real Estate	58.4	58.0	56.3	.4	2.1
Banking	14.2	14.1	14.0	.0	.2
Credit agencies other than banks	8.9	8.8	8.7	.1	.2
Insurance carriers	14.5	14.4	13.9	.1	.6
Services	249.7	248.2	239.6	1.6	10.1
Business services	57.4	57.3	53.9	.1	3.5
Amusement and recreation services	8.2	7.0	8.5	1.2	-.2
Health services	78.5	78.6	76.2	-.1	2.3
Hospitals	43.8	44.1	43.4	-.2	.5
Government	117.5	114.8	117.0	2.7	.5
Federal government	20.6	20.6	20.8	.1	-.2
State government	8.1	8.7	8.3	-.6	-.2
State government education ^h	3.1	3.4	3.1	-.3	.0
State government, except education	5.0	5.3	5.2	-.3	-.2
Local government	88.7	85.5	87.9	3.3	.8
Local government education	45.2	44.5	45.1	.7	.1
Local government, except education	43.6	41.0	42.9	2.6	.7

Cleveland PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$516.34	\$519.17	\$513.42	43.1	43.3	43.4	\$11.98	\$11.99	\$11.83
Durable Goods ^d	546.99	550.37	554.03	43.9	44.1	44.5	12.46	12.48	12.45
Primary metal industries	549.36	551.49	600.05	44.7	44.8	47.1	12.29	12.31	12.74
Iron and steel foundries	917.45	919.04	877.75	51.6	51.2	50.1	17.78	17.95	17.52
Fabricated metal products	550.29	554.64	555.97	44.2	44.3	44.3	12.45	12.52	12.55
Fabricated structural metal products ..	438.77	448.06	381.62	43.4	44.1	39.1	10.11	10.16	9.76
Screw machine products, bolts, etc. ...	565.10	558.03	532.09	45.1	44.5	45.4	12.53	12.54	11.72
Metal forgings and stampings	678.53	692.17	718.49	45.6	45.9	47.3	14.88	15.08	15.19
Machinery, except electrical	529.39	534.45	509.76	44.3	44.5	43.2	11.95	12.01	11.80
Construction and related machinery ...	447.12	431.28	395.92	46.0	44.6	43.7	9.72	9.67	9.06
Metalworking machinery	506.44	505.56	442.24	44.0	44.0	41.1	11.51	11.49	10.76
Special industry machinery	494.00	490.98	464.26	41.9	42.0	40.3	11.79	11.69	11.52
General industrial machinery	515.84	527.59	486.95	44.7	45.6	43.4	11.54	11.57	11.22
Electric and electronic equipment	465.51	462.45	445.37	41.9	41.7	41.2	11.11	11.09	10.81
Electrical industrial apparatus	537.24	526.68	506.43	44.0	43.1	43.1	12.21	12.22	11.75
Transportation equipment	727.01	731.88	760.85	45.1	45.6	48.4	16.12	16.05	15.72
Motor vehicles and equipment	812.74	819.47	848.70	46.1	46.8	49.2	17.63	17.51	17.25
Instruments and related products	415.75	406.14	402.14	41.7	40.9	41.5	9.97	9.93	9.69
Measuring and controlling devices	451.99	442.02	417.37	42.6	41.7	40.6	10.61	10.60	10.28
Nondurable Goods ^e	438.95	441.74	417.38	41.1	41.4	40.8	10.68	10.67	10.23
Food and kindred products	453.26	455.80	388.28	42.4	42.4	40.7	10.69	10.75	9.54
Apparel and other textile products	341.24	336.55	325.12	38.0	37.9	39.6	8.98	8.88	8.21
Paper and allied products	469.11	465.21	459.38	42.3	42.1	41.2	11.09	11.05	11.15
Printing and publishing	415.01	424.54	398.15	37.9	38.7	36.9	10.95	10.97	10.79
Chemicals and allied products	539.95	548.68	503.33	43.3	44.0	42.8	12.47	12.47	11.76
Rubber and misc. plastics products	385.63	379.85	385.75	42.8	42.3	43.1	9.01	8.98	8.95
Transportation and Public Utilities	615.45	604.34	577.74	41.5	41.0	40.6	14.83	14.74	14.23
Communication, electric, gas services ..	432.33	429.76	408.56	39.7	39.5	38.8	10.89	10.88	10.53
Wholesale Trade	184.53	184.28	182.21	27.5	27.1	27.4	6.71	6.80	6.65
Retail Trade ^h	311.56	305.77	298.97	30.8	30.7	31.3	11.31	11.29	10.78
Finance, Insurance, and Real Estate	438.95	441.74	417.38	41.1	41.4	40.8	10.68	10.67	10.23
Banking	453.26	455.80	388.28	42.4	42.4	40.7	10.69	10.75	9.54
Services	341.24	336.55	325.12	38.0	37.9	39.6	8.98	8.88	8.21
Health services	469.11	465.21	459.38	42.3	42.1	41.2	11.09	11.05	11.15
Hospitals	415.01	424.54	398.15	37.9	38.7	36.9	10.95	10.97	10.79

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

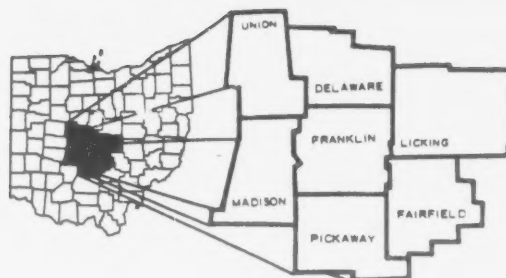
Selected Administrative Program Activities

Cleveland PMSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	4,273	4,058	4,022
Active File of Job Seekers	46,627	60,105	60,273
Referrals to Jobs	1,921	2,132	1,859
Placements	318	246	332
Job Openings Received	1,408	1,272	1,643
Job Openings Unfilled	3,948	3,665	3,842
Unemployment Insurance Program			
Initial Claims	5,713	4,486	5,745
Continued Claims	49,665	52,186	60,610
First Payments	INA	1,999	2,367
Last Payments	925	849	972
Weeks Compensated	INA	47,141	45,542
Benefits Paid	INA	\$7,532,202	\$7,041,665
Average Weekly Payment	INA	\$162.78	\$157.32

INA - Information not available

COLUMBUS METROPOLITAN STATISTICAL AREA



In the Columbus metropolitan area, total nonfarm payroll employment rose 7,400 from April to 703,100 in May 1989. The improvement was concentrated in the nonmanufacturing sector with seasonal increases in services, retail trade, and construction. The manufacturing employment level remained at 102,900. Factory production workers averaged \$11.97 per hour, up \$.05 from last month. Their average workweek of 41.5 hours was unchanged.

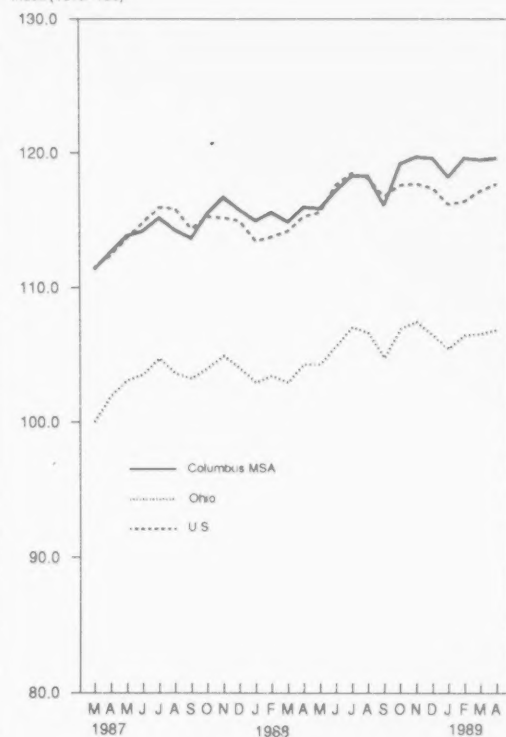
Nonagricultural wage and salary employment advanced 25,600 between May 1988 and May 1989. Significant expansion was recorded in services, especially business and health services, and retail trade. Marked improvements also occurred in construction, state and local government, wholesale trade, finance, insurance, and real estate, and transportation and public utilities. Manufacturing employment increased 1,100 over the year. Leading growth industries were transportation equipment, fabricated metal products, and printing and publishing. Employment in food and kindred products, nonelectrical machinery, electric and electronic equipment, and chemicals and allied products declined.

Indexes of Total Employment

Columbus MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

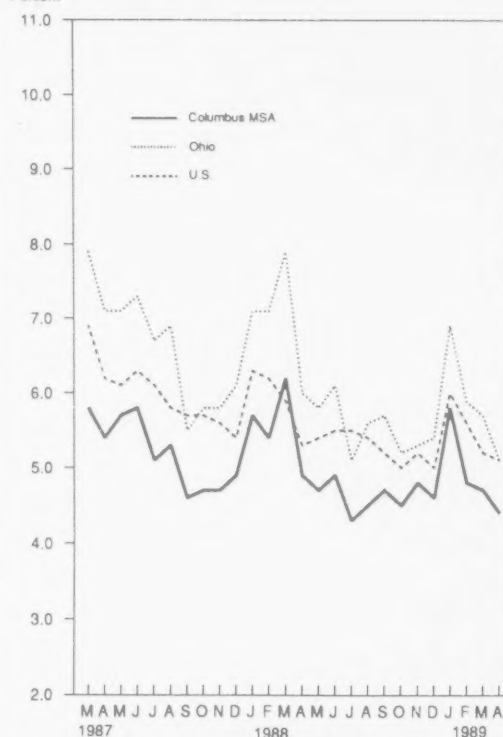


Unemployment Rates

Columbus MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Percent

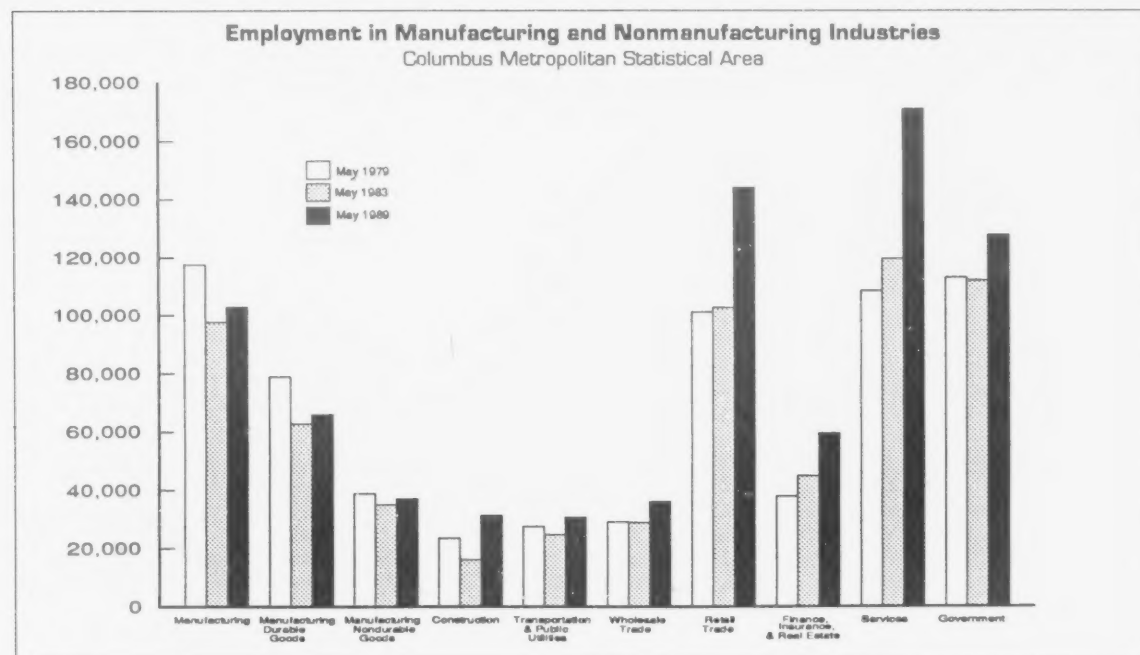


Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
704.0	669.8	34.2	4.9	April	670.6	101.6	67.1	482.47	41.7	11.57
702.5	669.5	33.0	4.7	May	677.6	101.8	67.3	480.24	41.4	11.60
711.8	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.3	690.8	31.5	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
INA	INA	INA	INA	May	703.1	102.9	67.7	496.76	41.5	11.97

INA - information not available

Employment in Manufacturing and Nonmanufacturing Industries
Columbus Metropolitan Statistical Area



Columbus MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	703.1	695.8	677.6	7.4	25.6
Manufacturing	102.9	102.9	101.8	.0	1.1
Durable Goods ^e	65.8	65.7	64.2	.0	1.6
Stone, clay, and glass products	10.1	10.2	9.9	-.1	.2
Glass and glassware, pressed or blown ..	3.2	3.3	3.3	-.1	.0
Fabricated metal products	9.4	9.5	8.9	-.1	.5
Fabricated structural metal products	2.5	2.5	2.3	.0	.2
Machinery, except electrical	9.6	9.6	9.8	.0	-.2
Electric and electronic equipment	10.5	10.5	10.7	.1	-.1
Transportation equipment	13.3	13.2	12.5	.1	.8
Instruments and related products	4.3	4.2	4.1	.1	.2
Nondurable Goods ^f	37.1	37.1	37.6	.0	-.5
Food and kindred products	10.0	10.0	10.3	.0	-.3
Printing and publishing	10.6	10.6	10.3	.0	.3
Chemicals and allied products	6.6	6.6	6.7	.0	-.1
Rubber and misc. plastics products	5.5	5.5	5.5	.0	.0
Nonmanufacturing^g	600.3	592.9	575.8	7.4	24.5
Construction	31.2	29.4	28.2	1.9	3.0
Transportation and Public Utilities	30.6	30.5	29.4	.1	1.1
Trucking and warehousing	12.8	12.8	12.1	.0	.7
Communication, electric, gas services	11.9	11.9	12.0	.0	-.1
Wholesale Trade	36.0	35.9	34.4	.1	1.5
Wholesale trade-durable goods	23.2	23.1	22.3	.1	.9
Retail Trade	143.9	141.9	137.6	2.0	6.2
General merchandise stores	19.6	19.6	20.4	.0	-.8
Finance, Insurance, and Real Estate	59.3	59.0	57.9	.2	1.4
Banking	11.7	11.7	11.4	.0	.3
Insurance carriers	23.5	23.5	23.1	.1	.5
Services	170.8	168.3	162.2	2.5	8.6
Business services	40.3	39.7	37.0	.6	3.3
Health services	42.7	42.5	40.9	.2	1.8
Hospitals	19.6	19.5	18.8	.1	.7
Government	127.6	127.0	125.1	.5	2.5
Federal government	15.2	15.2	15.4	.0	-.1
State government	55.9	55.9	55.3	.0	.6
State government education ^h	24.0	24.0	24.1	.0	-.1
State government, except education	32.0	31.9	31.2	.0	.7
Local government	56.4	55.9	54.4	.5	2.0
Local government education	34.4	34.2	33.0	.3	1.4
Local government, except education	22.0	21.8	21.4	.2	.6

Columbus MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$496.76	\$494.68	\$480.24	41.5	41.5	41.4	\$11.97	\$11.92	\$11.60
Durable Goods ^d	502.94	498.42	488.17	41.6	41.5	41.3	12.09	12.01	11.82
Stone, clay, and glass products	512.99	514.61	471.06	43.0	43.1	40.4	11.93	11.94	11.66
Glass and glassware, pressed or blown	455.94	452.92	420.72	41.6	41.4	39.1	10.96	10.94	10.76
Fabricated metal products	508.82	507.99	524.10	41.3	41.0	41.3	12.32	12.39	12.69
Fabricated structural metal products	439.56	456.85	453.60	39.6	40.9	41.5	11.10	11.17	10.93
Machinery, except electrical	470.68	453.50	438.86	42.1	40.6	40.9	11.18	11.17	10.73
Electric and electronic equipment	463.16	456.80	463.49	40.1	40.0	40.8	11.55	11.42	11.36
Transportation equipment	587.39	593.75	612.04	41.6	42.2	44.0	14.12	14.07	13.91
Instruments and related products	436.30	419.35	407.68	40.7	39.9	39.2	10.72	10.51	10.40
Nondurable Goods ^f	484.45	485.21	462.02	41.3	41.4	41.4	11.73	11.72	11.16
Food and kindred products	453.44	458.29	447.28	41.6	42.2	41.3	10.90	10.86	10.83
Printing and publishing	584.18	576.56	543.71	40.4	39.9	39.6	14.46	14.45	13.73
Chemicals and allied products	596.99	599.96	548.00	42.4	42.4	41.8	14.08	14.15	13.11
Rubber and misc. plastics products	364.01	369.41	368.51	40.9	41.6	43.1	8.90	8.88	8.55
Transportation and Public Utilities	573.89	569.04	592.38	40.5	40.3	41.6	14.17	14.12	14.24
Communication, electric, gas services	573.89	569.04	592.38	40.5	40.3	41.6	14.17	14.12	14.24
Wholesale Trade	365.00	364.22	343.53	38.1	37.9	37.3	9.58	9.61	9.21
Retail Trade ^h	186.37	186.02	178.44	27.9	28.1	28.1	6.68	6.62	6.35
Finance, Insurance, and Real Estate	276.20	275.30	267.04	33.9	33.6	34.1	10.84	10.80	9.93
Banking	276.20	275.30	267.04	33.9	33.6	34.1	10.84	10.80	9.93
Services	367.48	362.88	338.61	33.9	33.6	34.1	10.84	10.80	9.93
Health services	367.48	362.88	338.61	33.9	33.6	34.1	10.84	10.80	9.93
Hospitals	367.48	362.88	338.61	33.9	33.6	34.1	10.84	10.80	9.93

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

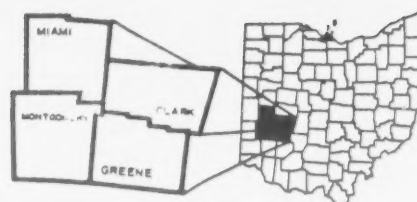
Selected Administrative Program Activities

Columbus MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	4,220	4,066	4,081
Active File of Job Seekers	28,952	31,659	30,728
Referrals to Jobs	2,903	2,307	2,920
Placements	449	484	600
Job Openings Received	1,108	1,060	1,450
Job Openings Unfilled	2,532	2,322	2,570
Unemployment Insurance Program			
Initial Claims	3,801	2,985	3,410
Continued Claims	37,796	37,636	35,906
First Payments	INA	1,434	1,556
Last Payments	687	636	774
Weeks Compensated	INA	33,619	27,588
Benefits Paid	INA	\$5,457,812	\$4,297,861
Average Weekly Payment	INA	\$168.69	\$158.87

INA - Information not available

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Dayton-Springfield metropolitan area totaled 450,000 in May 1989, up 2,600 from the April level. The gain was concentrated in the nonmanufacturing sector with seasonal increases in retail trade (+1,400) and construction (+1,300). The manufacturing workforce declined 200 to 104,700 due to modest reductions in food and kindred products and rubber and miscellaneous plastics products. Factory production workers earned an average of \$12.82 per hour, down \$.06 from last month. Their average workweek was .3 hours shorter at 42.8 hours.

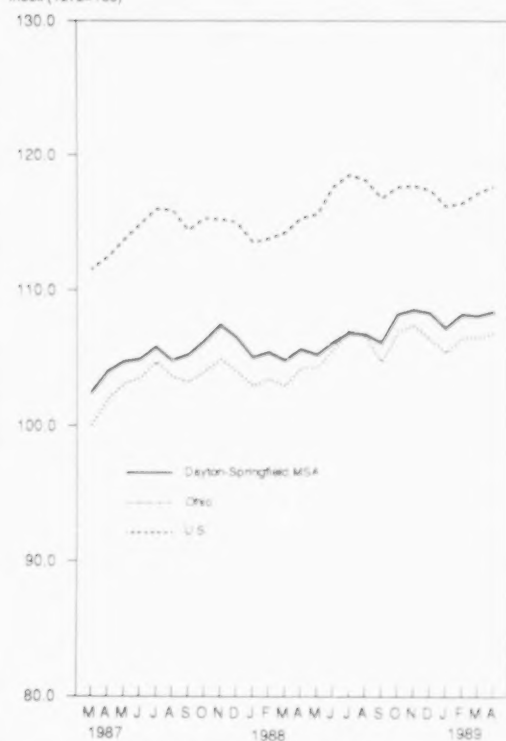
Nonagricultural wage and salary employment advanced 13,700 between May 1988 and May 1989. Leading growth industries were services, especially business and health services, retail trade, construction, and state and local government. Manufacturing employment increased 100 over the year as modest expansion in nonelectrical machinery and food and kindred products offset reductions in rubber and miscellaneous plastics products, paper and allied products, printing and publishing, and transportation equipment.

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)



Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S.

(Not Seasonally Adjusted)

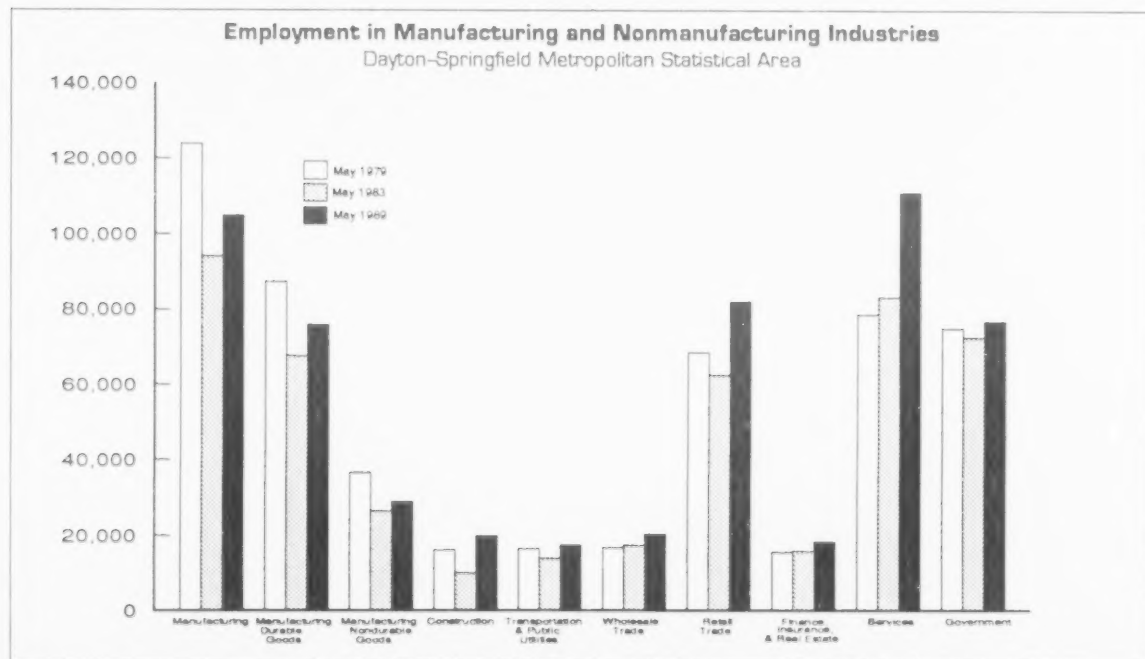
Percent



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousand:)

Civilian Labor Force					Nonagricultural Wage & Salary Employment							
					Manufacturing Employment							
Total	Employed	Unemployed						Hours & Earnings				
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings		
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA		
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA		
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA		
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA		
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA		
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA		
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21		
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97		
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03		
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89		
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59		
464.6	441.6	23.0	4.9	1988 April	433.4	104.4	67.3	546.45	43.3	12.62		
461.6	439.6	22.0	4.8	May	436.3	104.6	67.5	551.06	43.7	12.61		
467.8	443.4	24.3	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71		
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39		
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38		
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67		
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95		
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02		
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95		
475.4	447.9	27.5	5.8	1989 January	438.2	104.9	67.7	576.83	44.1	13.08		
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98		
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02		
474.4	453.0	21.4	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88		
INA	INA	INA	INA	May	450.0	104.7	67.3	548.70	42.8	12.82		

INA - information not available



Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	450.0	447.4	436.3	2.6	13.7
Manufacturing	104.7	104.8	104.6	-.2	.1
Durable Goods ^e	75.8	75.7	75.1	.0	.7
Fabricated metal products	8.4	8.3	8.4	.0	-.1
Machinery, except electrical	31.1	31.1	30.4	.0	.6
Metalworking machinery	6.7	6.8	6.6	-.1	.1
General industrial machinery	2.8	2.8	2.8	.0	.1
Electric and electronic equipment	5.8	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.3	3.3	3.3	.0	.0
Transportation equipment	20.5	20.5	20.7	.0	-.2
Nondurable Goods ^f	28.9	29.1	29.5	-.2	-.6
Food and kindred products	3.0	3.1	2.8	-.1	.2
Paper and allied products	5.8	5.8	5.9	.0	-.2
Printing and publishing	8.8	8.8	9.0	.0	-.2
Rubber and misc. plastics products	7.6	7.7	7.9	-.1	-.3
Nonmanufacturing ^g	345.4	342.6	331.7	2.8	13.6
Construction	19.8	18.5	17.6	1.3	2.2
Transportation and Public Utilities	17.4	17.2	16.7	.2	.7
Communication, electric, gas services	5.2	5.2	5.8	.0	-.5
Wholesale Trade	20.3	20.2	19.5	.1	.7
Wholesale trade-durable goods	13.8	13.7	13.5	.1	.3
Retail Trade	82.0	80.6	79.6	1.4	2.4
General merchandise stores	11.6	11.5	11.6	.1	.0
Finance, Insurance, and Real Estate	18.2	18.2	18.0	.0	.2
Banking	4.2	4.2	4.1	.0	.0
Credit agencies other than banks	4.8	4.9	4.8	-.1	-.1
Insurance carriers	3.0	3.0	3.0	.0	.0
Services	110.7	111.3	105.3	-.6	5.4
Business services	27.6	27.2	25.4	.4	2.2
Health services	37.9	37.5	36.4	.4	1.5
Hospitals	19.6	19.4	18.9	.3	.7
Educational services	7.3	8.8	7.0	-1.5	.2
Government	76.5	76.2	74.5	.4	2.0
Federal government	25.6	28.8	27.3	-.1	1.3
State government	7.4	7.4	7.3	.0	.1
State government education ^h	4.5	4.5	4.4	.0	.1
State government, except education	2.9	2.9	2.9	.0	.0
Local government	40.5	40.0	39.9	.5	.6
Local government education	25.2	24.9	25.2	.3	.0
Local government, except education	15.3	15.1	14.8	.2	.5

Dayton-Springfield MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$548.70	\$555.13	\$551.06	42.8	43.1	43.7	\$12.82	\$12.88	\$12.61
Durable Goods ^e	558.57	565.07	558.01	43.0	43.3	43.8	12.99	13.05	12.74
Fabricated metal products	412.48	394.96	393.02	42.7	41.4	41.9	9.66	9.54	9.38
Machinery, except electrical	598.80	609.68	598.53	43.9	44.6	44.6	13.64	13.67	13.42
Metalworking machinery	581.39	610.51	534.38	46.4	48.3	44.2	12.53	12.64	12.09
General industrial machinery	511.44	479.68	478.04	45.3	42.6	44.1	11.29	11.26	10.84
Electric and electronic equipment	439.05	442.24	452.32	43.6	43.7	44.0	10.07	10.12	10.28
Electrical industrial apparatus	547.20	556.71	534.98	45.6	46.2	46.0	12.00	12.05	11.63
Transportation equipment	685.95	691.74	691.31	42.5	42.7	44.4	16.14	16.20	15.57
Nondurable Goods ^f	518.22	526.11	531.22	42.2	42.6	43.4	12.28	12.35	12.24
Food and kindred products	370.18	346.88	348.84	42.5	41.1	40.8	8.71	8.44	8.55
Paper and allied products	481.43	511.20	526.85	43.1	45.0	46.5	11.17	11.36	11.33
Printing and publishing	477.10	479.83	451.76	41.2	41.4	40.3	11.58	11.59	11.21
Rubber and misc. plastics products	706.69	711.76	712.71	42.7	42.8	44.6	16.55	16.63	15.98
Transportation and Public Utilities	564.51	557.35	535.60	40.7	40.3	40.0	13.87	13.83	13.39
Communication, electric, gas services	564.51	557.35	535.60	40.7	40.3	40.0	13.87	13.83	13.39
Wholesale Trade	400.62	393.90	408.28	39.2	39.2	39.6	10.22	10.05	10.31
Retail Trade ^h	170.29	168.88	161.59	28.1	28.1	28.2	6.06	6.01	5.73
Services	366.86	372.16	365.72	34.0	34.3	34.6	10.79	10.85	10.57
Health services	366.86	372.16	365.72	34.0	34.3	34.6	10.79	10.85	10.57
Hospitals	366.86	372.16	365.72	34.0	34.3	34.6	10.79	10.85	10.57

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

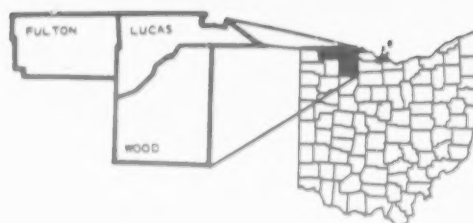
Selected Administrative Program Activities

Dayton-Springfield MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	2,275	2,396	2,380
Active File of Job Seekers	12,387	13,511	18,538
Referrals to Jobs	1,403	1,725	1,809
Placements	291	395	523
Job Openings Received	980	1,190	1,092
Job Openings Unfilled	2,106	2,169	1,777
Unemployment Insurance Program			
Initial Claims	2,652	2,144	1,962
Continued Claims	24,614	23,987	20,626
First Payments	INA	1,084	862
Last Payments	408	335	384
Weeks Compensated	INA	22,084	16,666
Benefits Paid	INA	\$3,215,287	\$2,397,780
Average Weekly Payment	INA	\$151.08	\$146.86

INA - Information not available

TOLEDO METROPOLITAN STATISTICAL AREA



In the Toledo metropolitan area, total nonfarm payroll employment rose 2,900 above the April level to 295,200 in May 1989. More business in retail trade, construction, and services increased nonmanufacturing employment 2,800. The manufacturing workforce gained 100 jobs during the month as hirings in primary metal industries and nonelectrical machinery more than offset a slight drop in stone, clay, and glass products. Factory production workers earned an average of \$13.38 per hour, increasing \$.29 from last month. Their average workweek of 44.3 hours was 1.4 hours longer.

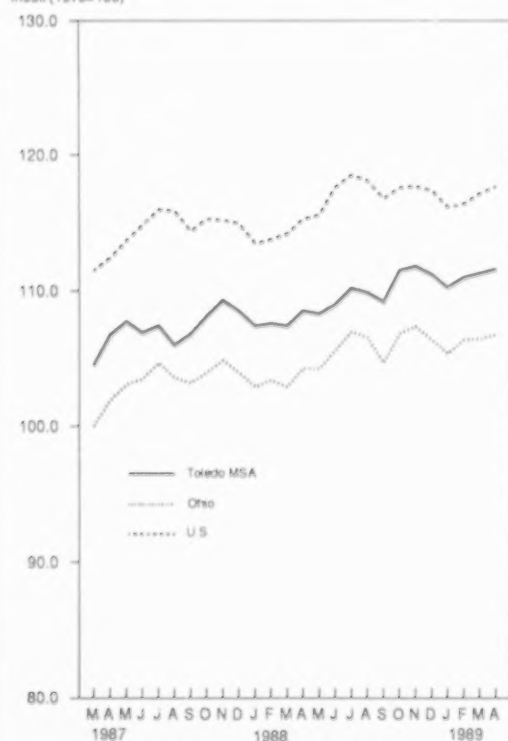
Nonagricultural wage and salary employment advanced 10,200 between May 1988 and May 1989. The improvement occurred in the nonmanufacturing sector with moderate expansion in services, especially business services, retail trade, construction, and state and local government. Manufacturing employment declined 700 over the year due to reductions in stone, clay, and glass products, fabricated metal products, and transportation equipment. Employment in nonelectrical machinery recorded a modest increase of 200.

Indexes of Total Employment

Toledo MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

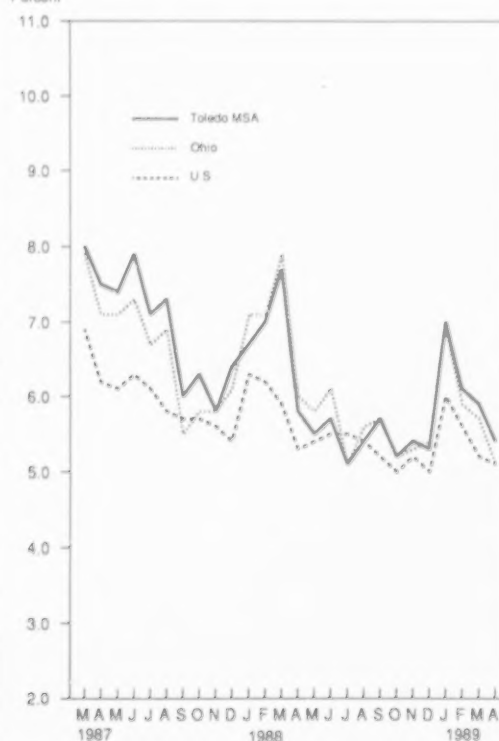


Unemployment Rates

Toledo MSA, Ohio and U.S.

(Not Seasonally Adjusted)

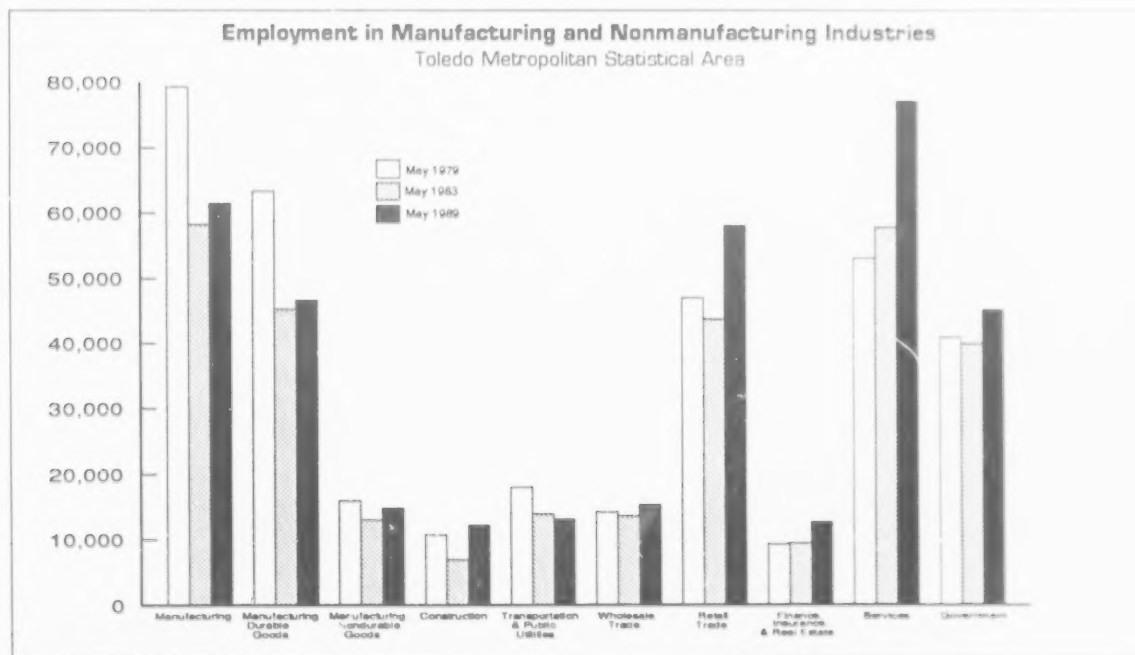
Percent



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed						Manufacturing Employment			
		Total	Rate							Manufacturing Production Workers	
										Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA	
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA	
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA	
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA	
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA	
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA	
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.62	
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	521.55	42.6	12.25	
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43	
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72	
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12	
				1988							
307.7	200.0	17.7	5.8	April	282.4	61.9	44.3	572.86	43.3	13.23	
306.4	289.5	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04	
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17	
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92	
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94	
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15	
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19	
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43	
313.6	297.0	16.6	5.3	December	292.4	62.4	44.5	589.19	44.3	13.30	
				1989							
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22	
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39	
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41	
315.1	298.3	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.08	
INA	INA	INA	INA	May	295.2	61.4	43.8	592.73	44.3	13.38	

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	295.2	292.4	285.0	2.9	10.2
Manufacturing	61.4	61.3	62.1	.1	-.7
Durable Goods ^e	46.7	46.6	47.3	.1	-.7
Stone, clay, and glass products	7.5	7.6	7.8	-.1	-.3
Primary metal industries	3.4	3.4	3.6	.1	-.2
Fabricated metal products	7.1	7.1	7.4	.0	-.3
Metal forgings and stampings	3.0	3.0	3.1	.0	-.2
Machinery, except electrical	6.1	6.0	5.9	.1	.2
Electric and electronic equipment	2.1	2.2	2.3	.0	-.2
Transportation equipment	15.5	15.5	15.8	.0	-.3
Motor vehicles and equipment	14.6	14.6	14.9	.0	-.3
Nondurable Goods ^f	14.8	14.7	14.8	.0	.0
Food and kindred products	3.9	3.9	4.0	.0	-.1
Rubber and misc. plastics products	3.5	3.5	3.6	.0	-.1
Nonmanufacturing ^g	233.8	231.1	223.0	2.8	10.9
Construction	12.1	11.3	10.4	.8	1.7
Transportation and Public Utilities	13.1	13.0	13.1	.1	.0
Trucking and warehousing	5.4	5.3	5.3	.0	.1
Communication, electric, gas services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.3	15.3	14.9	.0	.4
Wholesale trade-durable goods	10.3	10.2	9.9	.0	.4
Retail Trade	58.1	57.1	55.3	.9	2.7
General merchandise stores	8.6	8.5	7.9	.1	.7
Finance, Insurance, and Real Estate	12.7	12.6	12.3	.1	.4
Banking	3.8	3.8	3.7	.0	.1
Services	77.1	76.3	72.7	.8	4.5
Business services	16.6	16.3	14.9	.3	1.7
Health services	27.5	27.4	26.9	.1	.6
Hospitals	15.1	15.1	15.0	.0	.0
Government	45.2	45.1	44.0	.1	1.2
State government	16.8	17.1	16.3	-.3	.5
State government education ^h	12.6	12.9	12.2	-.3	.3
State government, except education	4.2	4.2	4.1	.0	.2
Local government	25.7	25.4	25.1	.3	.7
Local government education	15.0	14.9	14.7	.2	.4
Local government, except education	10.7	10.5	10.4	.2	.3

Toledo MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$592.73	\$561.56	\$552.90	44.3	42.9	42.4	\$13.38	\$13.06	\$13.04
Durable Goods ^e	609.21	570.95	579.44	44.5	42.8	42.7	13.69	13.34	13.57
Stone, clay, and glass products	527.54	524.15	508.16	40.8	40.6	39.7	12.93	12.91	12.80
Primary metal industries	491.00	489.00	480.22	43.8	43.7	42.8	11.21	11.19	11.22
Fabricated metal products	482.80	469.84	542.30	43.3	42.1	42.6	11.15	11.16	12.73
Metal forgings and stampings	615.30	617.58	704.40	41.8	41.7	45.8	14.72	14.81	15.38
Machinery, except electrical	517.44	512.74	505.91	43.3	42.8	42.3	11.95	11.98	11.96
Electric and electronic equipment	544.43	544.85	517.10	42.6	42.6	42.7	12.78	12.79	12.11
Transportation equipment	811.01	715.67	727.72	47.4	43.4	44.4	17.11	16.49	16.39
Motor vehicles and equipment	817.95	720.01	736.48	47.5	43.4	44.5	17.22	16.59	16.55
Nondurable Goods ^f	535.41	527.47	454.99	43.6	43.2	41.4	12.28	12.21	10.99
Food and kindred products	618.20	624.51	540.59	44.0	44.8	42.3	14.05	13.94	12.78
Rubber and misc. plastics products	395.14	361.88	343.20	44.1	41.5	41.2	8.96	8.72	8.33
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	577.90	577.27	604.24	40.3	40.2	41.5	14.34	14.36	14.56
Wholesale Trade	401.79	398.33	377.14	39.9	39.4	38.8	10.07	10.11	9.72
Retail Trade ^h	158.72	157.76	159.59	27.7	27.2	28.6	5.73	5.80	5.58

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

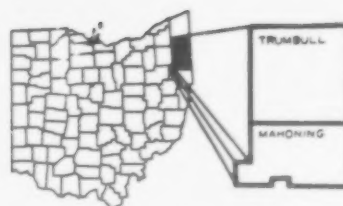
Selected Administrative Program Activities

Toledo MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	1,858	1,881	2,096
Active File of Job Seekers	16,577	19,473	18,403
Referrals to Jobs	1,312	1,324	1,595
Placements	383	301	274
Job Openings Received	660	473	775
Job Openings Unfilled	938	870	1,201
Unemployment Insurance Program			
Initial Claims	2,898	2,452	2,419
Continued Claims	20,078	19,513	19,295
First Payments	INA	925	737
Last Payments	310	281	281
Weeks Compensated	INA	17,765	13,845
Benefits Paid	INA	\$2,823,583	\$2,064,602
Average Weekly Payment	INA	\$165.98	\$152.80

INA - Information not available

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



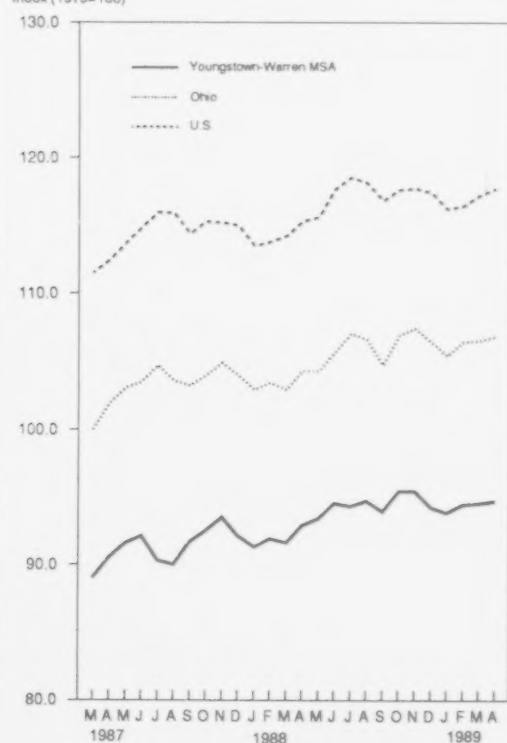
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 3,200 from the April level to 200,200 in May 1989. The improvement occurred in the nonmanufacturing sector with seasonal increases in construction, retail trade, services, and state and local schools and colleges. Although transportation equipment added 200 jobs in May, the manufacturing employment level remained at 50,100. Factory production worker average hourly earnings of \$13.83 increased \$.07 from last month. Their average workweek was .6 hours longer at 43.2 hours.

Total nonfarm wage and salary employment advanced 4,700 between May 1988 and May 1989. Primary growth sectors were services and retail trade. Construction and wholesale trade also recorded notable improvements. The manufacturing workforce declined 600 during the period with reductions in primary metal industries, especially blast furnace and basic steel products; however, employment in nonelectrical machinery increased.

Indexes of Total Employment

Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

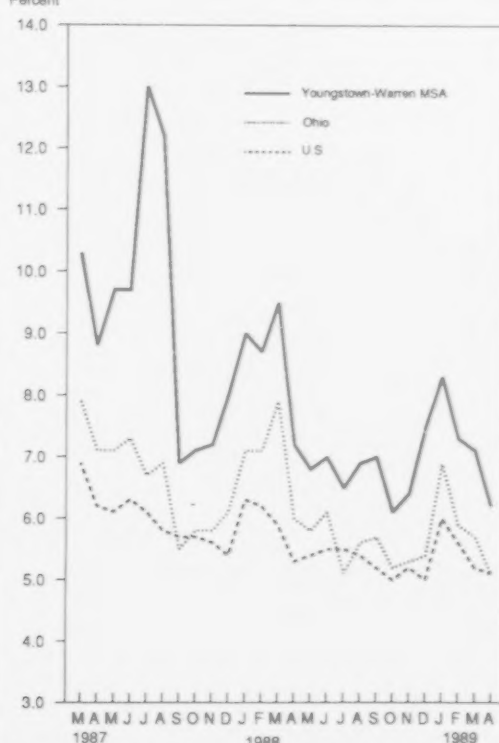
Index (1979=100)



Unemployment Rates

Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

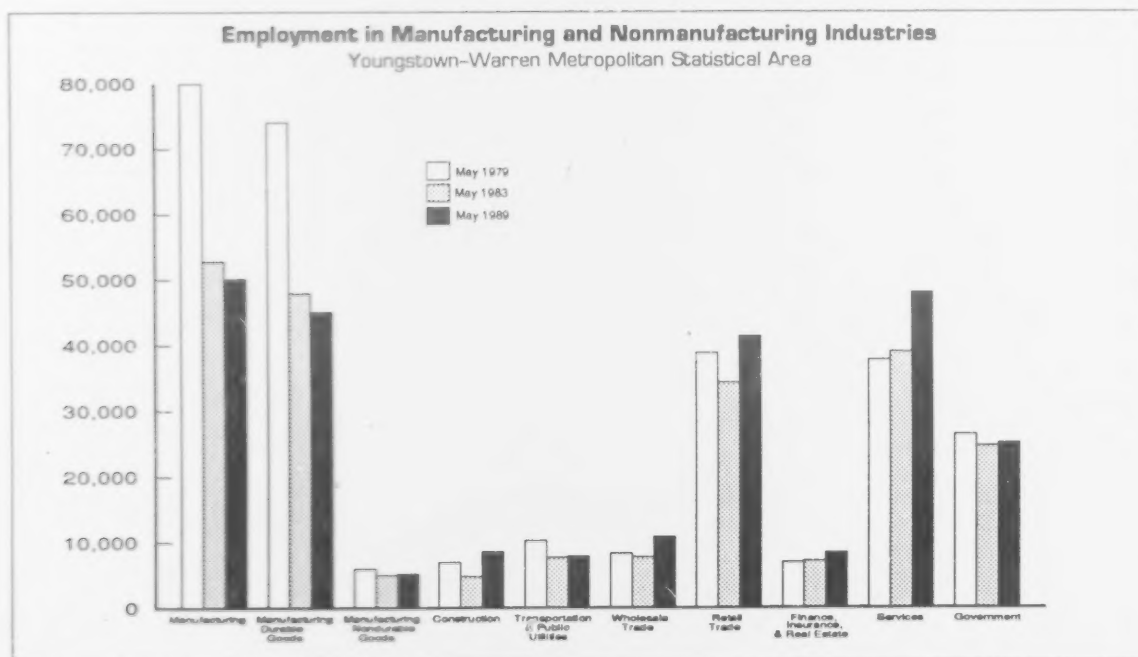
Percent



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment							
Total	Employed	Unemployed						Manufacturing Employment				
		Total	Rate							Manufacturing Production Workers		
										Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54		
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27		
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27		
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62		
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72		
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38		
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84		
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24		
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30		
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30		
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52		
				1988								
220.1	204.2	15.9	7.2	April	192.1	50.4	38.6	570.46	42.1	13.55		
220.2	205.3	15.0	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58		
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60		
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43		
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40		
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59		
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63		
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68		
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66		
				1989								
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79		
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68		
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71		
221.9	208.2	13.7	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76		
INA	INA	INA	INA	May	200.2	50.1	38.3	597.46	43.2	13.83		

INA - information not available



Youngstown-Warren MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	May 1989 ^b	April 1989 ^c	May 1988 ^c	From Last Month	From Last Year
Total	200.2	197.0	195.6	3.2	4.7
Manufacturing	50.1	50.1	50.7	.0	-.6
Durable Goods ^e	45.0	44.8	45.5	.1	-.5
Primary metal industries	18.4	18.4	18.9	.0	-.5
Blast furnace and basic steel products	5.4	5.1	5.8	.4	-.4
Fabricated metal products	7.5	7.5	7.6	.0	-.1
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.2	2.3	2.3	-.1	-.1
Transportation equipment	9.7	9.6	9.8	.2	-.1
Nondurable Goods ^f	5.1	5.3	5.2	-.1	-.1
Nonmanufacturing^g	150.1	146.9	144.8	3.2	5.3
Construction	8.5	7.6	7.7	.8	.8
Transportation and Public Utilities	7.8	7.8	7.5	.0	.2
Communication, electric, gas services	2.8	2.8	2.9	.0	-.1
Wholesale Trade	10.7	10.5	10.2	.2	.5
Wholesale trade-durable goods	6.9	6.8	6.6	.2	.3
Retail Trade	41.3	40.5	39.5	.8	1.7
General merchandise stores	5.1	5.1	5.1	.0	.0
Finance, Insurance, and Real Estate	8.3	8.3	8.3	.0	-.1
Banking	2.8	2.8	2.8	.0	.0
Services	48.0	47.2	45.6	.8	2.5
Health services	20.9	20.7	20.2	.1	.6
Hospitals	10.7	10.7	10.5	0	.2
Government	24.9	24.4	25.3	.5	-.4
State government	4.5	4.2	4.4	.3	.1
State government education ^h	3.1	2.7	2.9	.4	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.2	18.1	18.9	.2	-.6
Local government education	11.8	11.7	12.6	.1	-.8
Local government, except education	6.4	6.3	6.3	.1	.2

Youngstown-Warren MSA

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c	May 1989 ^b	Apr. 1989 ^c	May 1988 ^c
Manufacturing	\$597.46	\$586.18	\$593.45	43.2	42.6	43.7	\$13.83	\$13.76	\$13.58
Durable Goods ^e	613.35	600.91	608.08	43.5	42.8	44.0	14.10	14.04	13.82
Primary metal industries	641.94	642.54	642.21	42.4	42.3	42.9	15.14	15.19	14.97
Blast furnace and basic steel products	616.08	592.30	618.77	45.2	44.4	45.1	13.63	13.34	13.72
Fabricated metal products	612.00	610.64	586.94	45.3	45.3	43.9	13.51	13.48	13.37
Machinery, except electrical	502.52	510.30	473.47	42.3	43.1	41.9	11.88	11.84	11.30
Electric and electronic equipment	465.41	462.84	446.93	40.4	40.6	40.3	11.52	11.40	11.09
Transportation equipment	693.68	645.84	698.40	46.0	43.2	48.0	15.08	14.95	14.55
Nondurable Goods ^f	427.07	416.59	425.86	40.1	39.6	40.1	10.65	10.52	10.62
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	568.43	570.25	545.83	40.2	40.3	39.9	14.14	14.15	13.68
Wholesale Trade	362.88	365.33	362.29	38.4	38.7	38.5	9.45	9.44	9.41
Retail Trade ^h	183.28	180.58	175.52	29.0	28.8	29.4	6.32	6.27	5.97

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

Youngstown-Warren MSA

	May 1989	April 1989	May 1988
Employment Service Program			
New Applicants	3,447	2,877	1,996
Active File of Job Seekers	19,696	20,180	18,151
Referrals to Jobs	1,674	3,993	1,297
Placements	508	272	322
Job Openings Received	515	4,603	611
Job Openings Unfilled	963	4,810	1,067
Unemployment Insurance Program			
Initial Claims	2,738	2,342	2,191
Continued Claims	17,604	17,880	14,941
First Payments	INA	885	868
Last Payments	274	290	299
Weeks Compensated	INA	16,108	13,997
Benefits Paid	INA	\$2,454,336	\$2,024,083
Average Weekly Payment	INA	\$157.64	\$148.87

INA - Information not available

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio			
	May 1989	April 1989	May 1988
New Applicants	37,610	35,087	35,542
Active File of Job Seekers	253,047	280,862	277,386
Counseling Interviews	848	1,130	1,167
Tests Administered	1,665	1,459	4,048
General Aptitude Tests	65	116	153
Proficiency Tests	255	301	434
Specific Aptitude Tests	361	181	1,624
Referrals to Jobs	25,003	26,666	27,693
Placements	5,429	5,085	6,165
Job Openings Received	11,846	14,895	14,867
Job Openings Unfilled	22,812	25,411	23,703

Selected Unemployment Insurance Activities

Ohio			
	May 1989	April 1989	May 1988
Initial Claims	44,273	35,167	37,844
Continued Claims	360,018	360,043	355,021
First Payments	INA	15,579	14,792
Last Payments	5,879	5,548	6,398
Average Weekly Claimants	75,764	91,514	81,150
Average Weekly Benefit Recipients	67,880	82,736	68,929
Weeks Compensated	INA	326,960	275,716
Benefits Paid	INA	\$51,162,719	\$41,679,753
Average Weekly Payment	INA	\$161.50	\$154.62
Continued Claims for Survey Week	76,327	85,735	80,093
Insured Unemployment Rate	1.7	2.0	1.9
Net Contributions	\$349,578,476	\$79,247,270	\$255,065,901
Active Employer Accounts	203,010	204,265	200,354

INA - Information not available

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

56272-1
Labor
Market
Review

June 1989

Summary. The June seasonally adjusted unemployment rate in Ohio, at 5.6 percent, was up 2 percentage points from May. The national rate was 5.3 percent, up from 5.2 percent in May. Total employment in Ohio increased 45,000 to an all-time high of 5,183,000. There were 307,000 unemployed Ohioans in June, up 11,000 from May. Ohio's seasonally adjusted nonfarm wage and salary employment advanced 5,000 from May to 4,785,000. Increases in nonmanufacturing employment outweighed declines in manufacturing industries. (See page 3.)

Factory Employment. Manufacturing employment in Ohio slipped 1,000 from May to 1,107,000 in June. Durable-goods employment, at 747,000, accounted for the loss. Most durable-goods industries were lower, although transportation equipment registered a notable gain. In nondurable goods, a moderate decline in rubber and miscellaneous plastics products was offset by scattered increases in other industries, leaving its employment unchanged at 360,000.

Nonmanufacturing. Nonmanufacturing employment rose 6,000 from May to 3,678,000 in June. Retail trade and services each added 4,000 jobs; construction went up 1,000. The only division to lose employment was government, which fell 3,000. Mining, transportation and public utilities, wholesale trade, and finance, insurance, and real estate were unchanged from May.

Over the Year. Ohio's unemployment rate declined from 5.9 percent in June 1988 to 5.6 percent in June 1989. Nationwide, the rate declined from 5.4 percent to 5.3 percent during the same period. Total employment in Ohio rose 189,000 over the year, while total unemployment dropped 5,000. Nonfarm payroll employment was up 114,000 from May 1988. The largest increases were in services (+45,000) and retail trade (+32,000). Construction employment advanced 14,000. Gains in durable-goods industries boosted manufacturing employment 5,000. All other divisions had small increases, except mining, which was unchanged.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of \$526.01 per week in June, up \$3.79 from May. Their average workweek of 42.8 hours was slightly longer. Most industries had increased earnings due to more overtime, although a sharp drop occurred in metal forgings and stampings. The most notable gains were in motor vehicles and equipment and in blast furnace and basic steel products.

Benefits and Costs. There were 45,358 initial claims filed under the Ohio Unemployment Compensation Law in June, up 2.5 percent from May, and up 12.6 percent from June 1988. The average weekly benefit check of \$158.00 was \$2.66 lower than in May. Total benefits paid fell 2.5 percent to \$43.2 million. The average weekly number of benefit recipients, at 61,029,

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen OBrien Saunders, Administrator

was down 10.1 percent from May. At the end of June there were 203,748 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 34,620 new job applicants in June, down 8.0 percent from May, and down 14.3 percent from June 1988. The number of job openings received from employers rose 4.5 percent to 12,381. The Employment Services Division made 24,866 job referrals and 5,741 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	June 1989	May 1989	June 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,490	5,434	5,306	56	184	1.0	3.5
Employment	5,183	5,138	4,994	45	189	0.9	3.8
Unemployment	307	296	312	11	-5	3.7	-1.6
Unemployment Rate	5.6	5.4	5.9				
Employer Survey Data^e							
Total	4,785	4,780	4,671	5	114	0.1	2.4
Manufacturing	1,107	1,107	1,102	-1	5	-0.1	0.4
Durable Goods	747	747	742	-1	4	-0.1	0.6
Nondurable Goods	360	360	360	0	0	-0.0	0.1
Nonmanufacturing	3,678	3,672	3,569	6	109	0.2	3.1
Mining	20	19	19	0	0	0.6	0.8
Construction	197	196	182	1	14	0.4	7.8
Transportation and Public Utilities	214	214	211	0	3	-0.0	1.2
Wholesale Trade	261	261	254	0	7	0.2	2.9
Retail Trade	906	902	874	4	32	0.4	3.7
Finance, Insurance, and Real Estate	255	255	249	0	6	0.1	2.3
Services	1,132	1,129	1,087	4	45	0.3	4.2
Government	694	696	692	-3	1	-0.4	0.2
Goods Producing Industries ^f	1,323	1,323	1,304	0	19	0.0	1.5
Service Producing Industries ^g	3,462	3,457	3,367	5	95	0.1	2.8

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers.

^cPercentages are computed from unrounded numbers.

^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

^fIncludes Mining, Construction, and Manufacturing.

^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,261	4,885	376	7.1	6.1
5,272	4,895	377	7.2	6.0
5,242	4,877	365	7.0	6.0
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3
5,434	5,138	296	5.4	5.2
5,490	5,183	307	5.6	5.3

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
		Manufacturing Employment	
		Durable	Nondurable
1987			
June	4,568	1,093	736
July	4,576	1,091	732
August	4,588	1,098	739
September	4,596	1,101	743
October	4,617	1,105	745
November	4,631	1,106	746
December	4,650	1,110	748
1988			
January	4,637	1,104	744
February	4,644	1,103	743
March	4,653	1,097	737
April	4,656	1,101	742
May	4,661	1,100	742
June	4,671	1,102	742
July	4,676	1,101	742
August	4,680	1,100	741
September	4,691	1,103	743
October	4,704	1,105	746
November	4,721	1,110	750
December	4,733	1,111	750
1989			
January	4,764	1,122	757
February	4,772	1,118	754
March	4,777	1,114	751
April	4,778	1,110	748
May	4,780	1,107	747
June	4,785	1,107	747

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,475	21	176	207	247	845	244	1048	688
3,484	20	178	209	248	847	244	1053	685
3,490	21	176	209	248	849	245	1055	687
3,495	20	177	209	249	850	246	1059	685
3,512	21	178	209	251	856	247	1062	688
3,525	21	180	210	251	860	247	1067	691
3,540	21	183	210	252	863	248	1073	691
3,533	20	181	210	251	865	247	1068	691
3,542	20	182	210	251	868	247	1073	690
3,557	19	185	211	252	872	248	1078	692
3,555	20	183	211	252	870	249	1079	691
3,561	19	182	211	253	871	249	1083	692
3,569	19	182	211	254	874	249	1087	692
3,575	19	182	212	255	876	250	1089	692
3,581	20	183	212	256	878	251	1093	689
3,589	19	184	212	256	880	251	1095	691
3,599	19	184	212	257	884	252	1097	693
3,611	19	186	213	258	887	252	1102	694
3,622	19	188	213	258	889	252	1108	693
3,642	19	196	213	259	896	253	1112	693
3,654	19	197	213	260	899	254	1116	696
3,663	19	197	214	260	903	254	1120	696
3,668	19	196	215	261	902	255	1125	695
3,672	19	196	214	261	902	255	1129	696
3,678	20	197	214	261	906	255	1132	694

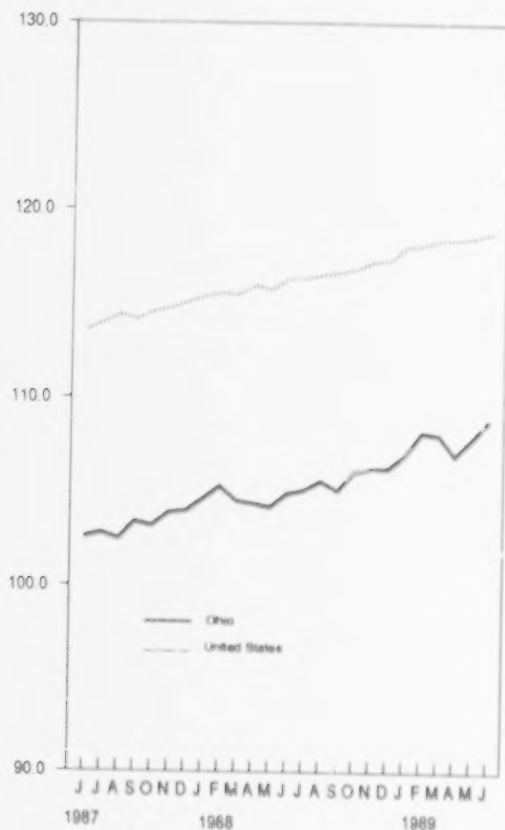
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Labor Market Review.

Indexes of Total Employment

Ohio and U.S.

(Seasonally Adjusted)

Index (1970=100)

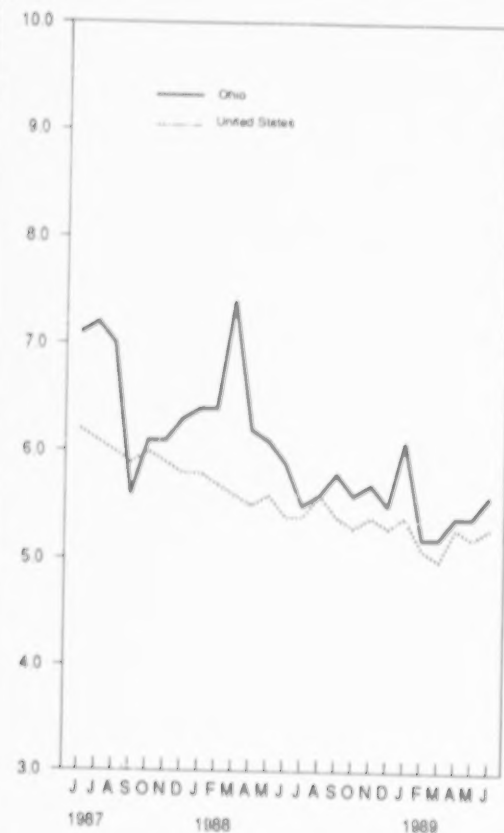


Unemployment Rates

Ohio and U.S.

(Seasonally Adjusted)

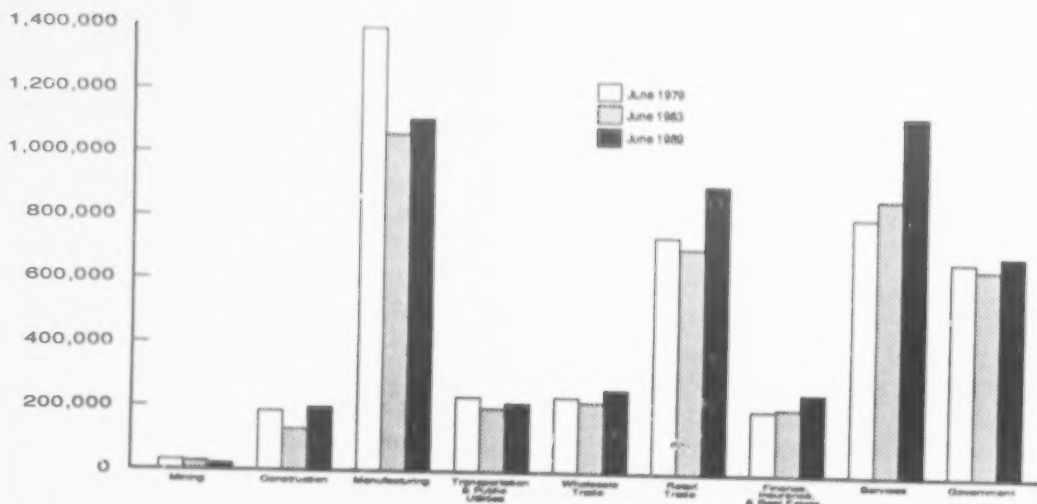
Percent



Employment in Division-Level Industries

(Seasonally Adjusted)

Number



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
5,353	5,028	325	6.1	5.5
5,366	5,093	274	5.1	5.5
5,376	5,076	301	5.6	5.4
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6
5,375	5,068	307	5.7	5.2
5,357	5,085	273	5.1	5.1
5,419	5,143	277	5.1	5.0
5,537	5,216	321	5.8	5.5

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
	Manufacturing Employment		
		Durable	Nondurable
1978	4,394.9	1,377.2	974.5
1979	4,484.8	1,382.3	980.5
1980	4,367.4	1,264.3	882.6
1981	4,317.7	1,232.6	860.4
1982	4,124.3	1,099.9	752.4
1983	4,092.5	1,066.0	723.6
1984	4,260.2	1,127.0	773.4
1985	4,372.9	1,124.3	768.7
1986	4,471.4	1,109.8	752.7
1987	4,582.6	1,098.9	740.4
1988	4,683.0	1,103.1	743.6
1988	4,715.4	1,107.6	746.9
June	4,678.8	1,100.8	741.5
July	4,679.1	1,102.1	740.5
August	4,731.7	1,110.5	745.6
September	4,757.7	1,110.3	747.8
October	4,834.7	1,115.7	753.3
November	4,781.8	1,115.1	752.5
December	4,669.0	1,112.2	751.4
1989	4,671.4	1,107.3	747.9
January	4,707.6	1,106.9	748.1
February	4,761.0	1,107.1	748.4
March	4,811.3	1,107.5	748.7
April	4,831.2	1,112.2	751.0
May			
June			

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.5	211.5	254.3	876.5	249.8	1,087.8	696.8
3,607.8	19.6	191.2	213.1	255.8	879.7	251.4	1,104.1	692.9
3,578.0	19.8	199.5	213.4	256.1	881.1	252.8	1,103.1	652.2
3,577.0	19.8	202.5	213.9	256.3	886.2	253.3	1,104.7	640.3
3,621.2	19.8	202.0	214.8	256.5	888.2	251.8	1,109.8	678.3
3,647.4	19.8	203.0	215.0	258.4	891.8	252.1	1,105.1	702.2
3,719.0	19.7	197.4	214.7	258.5	906.0	252.1	1,102.1	768.5
3,666.6	19.5	188.0	215.3	259.1	921.4	252.4	1,101.0	710.0
3,556.9	18.9	167.0	208.7	256.9	877.0	250.3	1,083.4	694.5
3,564.1	18.6	162.2	208.5	256.9	867.2	250.8	1,091.8	708.0
3,600.8	18.7	170.8	209.7	257.8	876.3	251.5	1,103.0	712.9
3,653.9	19.0	184.7	212.8	259.7	889.8	253.1	1,125.5	709.3
3,703.7	19.2	197.0	214.3	261.3	904.2	254.6	1,138.7	714.4
3,719.0	19.7	206.2	215.8	263.3	912.3	257.1	1,150.3	694.3

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,107.6	746.9	360.7
1,100.8	741.5	359.4
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,106.9	748.1	358.8
1,107.1	748.4	358.7
1,107.5	748.7	358.8
1,112.2	751.0	361.1

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
985.5	\$302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
759.1	391.7	32.6
762.4	397.8	33.0
754.9	379.4	31.9
756.7	382.1	32.1
765.9	399.6	33.2
765.5	400.4	33.1
771.1	410.1	33.7
770.1	411.5	33.7
766.2	404.1	33.1
762.0	400.1	32.8
761.4	400.2	32.7
761.4	397.0	32.5
761.1	397.5	32.5
764.5	402.1	32.7

Production Worker Average Weekly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$306.91	\$316.83	\$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
521.77	547.87	464.62
502.52	521.85	461.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
525.53	549.41	470.50
521.37	542.59	473.71
522.22	543.46	471.86
526.01	547.75	477.77

Production Worker Average Weekly Hours

Manu- facturing	Durable Goods	Nondurable Goods
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
43.3	43.9	42.2
42.3	42.6	41.8
42.4	42.7	41.8
43.3	43.7	42.5
43.3	43.7	42.3
43.7	44.2	42.6
43.8	44.2	42.9
43.2	43.7	42.1
43.0	43.5	41.9
42.9	43.5	41.6
42.7	43.2	41.7
42.7	43.2	41.5
42.8	43.3	41.8

Production Worker Average Hourly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$ 7.29	\$ 7.49	\$ 6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
12.00	12.41	11.03
12.05	12.48	11.01
11.88	12.25	11.04
11.91	12.30	11.01
12.05	12.48	11.05
12.08	12.51	11.06
12.17	12.62	11.09
12.20	12.62	11.18
12.21	12.61	11.22
12.21	12.59	11.28
12.25	12.63	11.31
12.21	12.56	11.36
12.23	12.58	11.37
12.29	12.65	11.43

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment (thousands)

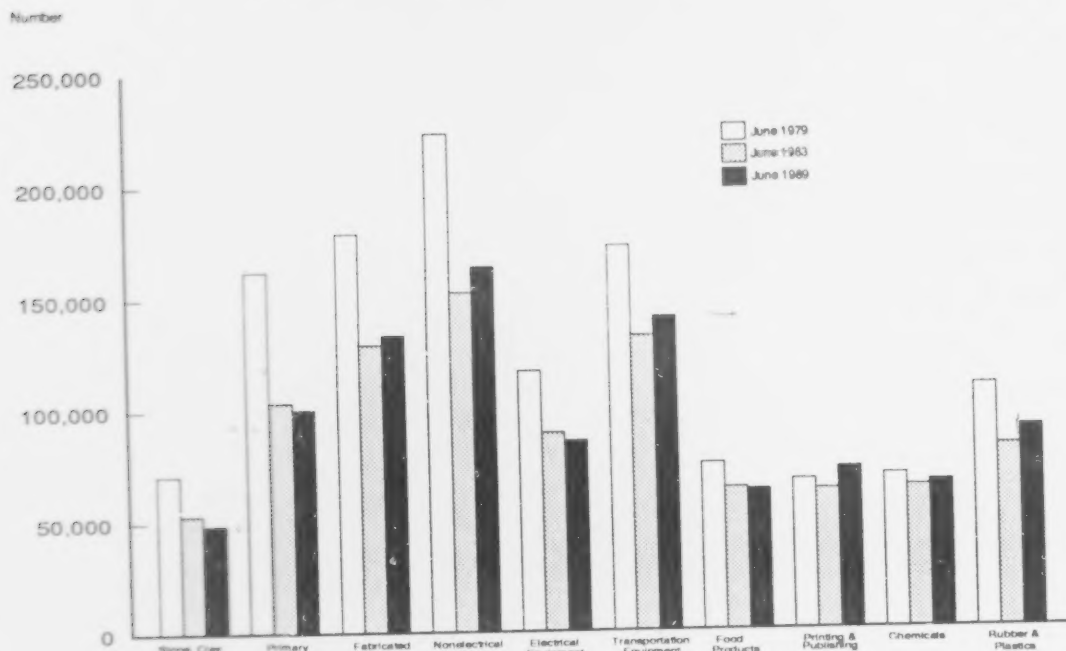
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.7	100.3	134.5	June	158.2	86.6	141.9	June	62.4	71.3	91.4
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.0	100.0	133.6	May	163.4	85.1	140.0	May	61.7	71.8	90.0
48.6	100.4	133.3	June	163.8	85.3	140.4	June	62.7	72.1	90.1

Average Weekly Earnings of Production Workers

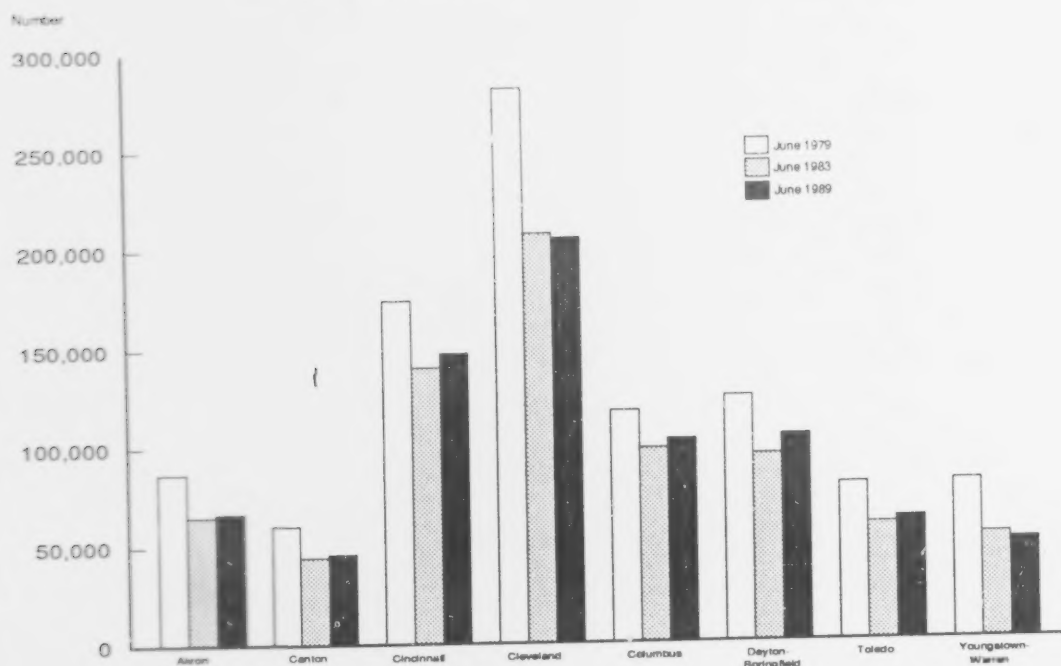
\$274.81	\$366.24	\$307.23	1978	\$306.16	\$268.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
464.88	620.64	515.82	May	538.74	462.73	691.75	May	455.10	446.18	453.05
466.82	639.58	507.53	June	538.74	461.32	710.77	June	467.67	450.04	455.39

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	4831.2	4811.3	4715.4	19.9	115.8
Manufacturing	1112.2	1107.5	1107.6	4.7	4.6
Durable Goods ^e	751.0	748.7	746.9	2.3	4.1
Lumber and wood products	24.7	24.1	22.3	.6	2.4
Furniture and fixtures	14.8	14.8	15.4	.0	-.6
Stone, clay, and glass products	48.6	48.0	48.7	.6	-.1
Glass and glassware, pressed or blown	8.8	8.7	8.8	.1	.0
Primary metal industries	100.4	100.0	100.3	.3	.0
Blast furnace and basic steel products	45.7	45.2	45.7	.5	-.1
Iron and steel foundries	20.2	20.1	19.8	.1	.4
Nonferrous rolling and drawing	17.2	17.4	17.8	-.3	-.7
Fabricated metal products	133.3	133.6	134.5	-.3	-1.2
Cutlery, hand tools, and hardware	9.4	9.8	10.3	-.4	-.8
Fabricated structural metal products	28.5	28.2	28.2	.3	.3
Metal forgings and stampings	40.5	40.9	42.3	-.4	-1.8
Machinery, except electrical	163.8	163.4	158.2	.4	5.6
Construction and related machinery	13.8	13.7	13.6	.1	.2
Metalworking machinery	43.2	42.8	41.3	.4	2.0
Special industry machinery	18.0	18.3	17.2	-.3	.7
General industrial machinery	29.9	28.8	28.1	.1	.9
Office and computing machines	12.3	12.2	12.9	.0	-.7
Refrigeration and service machinery	16.7	16.3	16.0	.4	.7
Electric and electronic equipment	85.3	85.1	86.6	.2	-1.3
Electrical industrial apparatus	17.8	17.6	17.2	.1	.6
Household appliances	15.4	15.1	16.0	.3	-.6
Electric lighting and wiring equipment	16.9	16.9	17.0	-.1	-.1
Communication equipment	9.2	9.3	9.5	.0	-.3
Transportation equipment	140.4	140.0	141.9	.4	-1.5
Motor vehicles and equipment	95.2	95.2	95.4	.0	-.2
Aircraft and parts	36.3	36.0	38.6	.3	-2.2
Instruments and related products	24.5	24.7	24.3	-.2	.3
Measuring and controlling devices	13.3	13.4	13.4	-.1	-.1
Nondurable Goods^f	361.1	358.8	360.7	2.4	.4
Food and kindred products	62.7	61.7	62.4	1.0	.2
Meat products	8.9	8.8	8.9	.1	.0
Dairy products	9.5	9.4	9.7	.1	-.2
Preserved fruits and vegetables	11.8	11.6	11.4	.2	.4
Bakery products	9.6	9.3	9.5	.3	.1
Beverages	9.1	8.8	9.2	.2	-.1
Apparel and other textile products	15.8	16.0	15.1	-.3	.6
Paper and allied products	37.0	36.8	37.3	.2	-.3
Misc. converted paper products	12.1	12.0	12.0	.2	.1
Paperboard containers and boxes	13.1	13.0	13.1	.1	.0
Printing and publishing	72.1	71.8	71.3	.3	.8
Newspapers	18.9	18.7	18.8	.2	.1
Commercial printing	28.4	28.2	27.9	.1	.4
Chemicals and allied products	65.7	65.2	64.9	.5	.8
Industrial inorganic chemicals	8.8	8.9	9.1	-.1	-.3
Rubber and misc. plastics products	90.1	90.0	91.4	.2	-1.3
Tires and inner tubes	14.4	14.4	14.7	.0	-.3
Miscellaneous plastics products	55.5	55.5	56.3	.0	-.8

See footnotes on page 13.

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Nonmanufacturing	3719.0	3703.7	3607.8	15.3	111.2
Mining	19.7	19.2	19.6	.5	.1
Bituminous coal and lignite mining	7.8	7.7	8.0	.1	-.2
Oil and gas extraction	6.6	6.4	6.6	.2	.0
Construction	206.2	197.0	191.2	9.2	14.9
General building contractors	51.6	49.1	48.9	2.5	2.7
Heavy construction contractors	27.5	25.8	25.5	1.7	2.0
Highway and street construction	10.6	9.5	10.2	1.0	.4
Special trade contractors	127.1	122.0	116.8	5.1	10.3
Transportation and Public Utilities	215.8	214.3	213.1	1.5	2.6
Railroad transportation	13.1	13.1	13.6	.0	-.4
Transportation, except railroads	115.0	113.9	110.4	1.1	4.6
Trucking and warehousing	77.5	76.7	75.5	.8	2.0
Communication, electric, gas services	87.7	87.3	89.2	.4	-1.5
Communication	45.9	45.7	47.1	.2	-1.2
Electric, gas, and sanitary services	41.8	41.6	42.1	.2	-.3
Wholesale Trade	263.3	261.3	255.8	2.0	7.5
Wholesale trade-durable goods	166.5	165.4	161.9	1.1	4.6
Motor vehicles & automotive equipment ..	23.3	23.1	22.8	.1	.5
Electrical goods	18.5	18.4	18.4	.1	.0
Machinery, equipment, and supplies	71.1	70.7	69.2	.5	2.0
Wholesale trade-nondurable goods	96.8	95.9	93.9	.9	2.9
Groceries and related products	31.0	30.5	30.2	.4	.8
Retail Trade	912.3	904.2	879.7	8.1	32.7
General merchandise stores	120.0	119.7	117.3	.3	2.7
Department stores	102.2	102.0	101.0	.2	1.1
Food stores	145.9	145.1	138.4	.9	7.6
Automotive dealers & service stations	99.4	98.2	96.4	1.3	3.0
Apparel and accessory stores	45.8	45.7	43.7	.1	2.1
Eating and drinking places	314.0	309.6	308.3	4.3	5.7
Finance, Insurance, and Real Estate	257.1	254.6	251.4	2.5	5.7
Banking	65.2	64.6	64.0	.6	1.2
Credit agencies other than banks	38.7	38.5	38.5	.2	.2
Insurance carriers	70.8	70.3	69.9	.4	.9
Life insurance	26.2	26.1	25.9	.1	.3
Fire, marine, and casualty insurance	31.2	31.0	31.0	.2	.2
Services	1150.3	1138.7	1104.1	11.6	46.2
Hotels and other lodging places	39.4	38.2	37.7	1.3	1.8
Personal services	58.5	58.3	56.4	.3	2.2
Laundry, cleaning, & garment services ..	19.5	19.3	18.8	.2	.7
Business services	239.4	236.5	222.4	2.8	17.0
Services to buildings	33.3	32.9	31.9	.4	1.4
Computer and data processing services ..	23.3	23.2	21.4	.2	1.9
Amusement and recreation services	54.4	48.0	54.5	6.4	-.1
Health services	382.0	379.2	369.9	2.7	12.1
Nursing and personal care facilities	84.1	83.5	81.5	.6	2.6
Hospitals	186.4	185.2	182.0	1.1	4.3
Educational services	59.3	64.4	57.9	-5.1	1.4
Colleges and universities	30.2	34.3	29.3	-4.2	.9
Government	694.3	714.4	692.9	-20.1	1.4
Federal government	96.1	95.9	94.8	.2	1.3
State government	155.8	164.9	153.9	-9.1	2.0
State government education	79.5	90.0	78.0	-10.5	1.4
State government, except education	76.4	75.0	75.8	1.4	.6
Local government	442.4	453.6	444.3	-11.2	-1.9
Local government education	250.0	266.7	254.3	-16.7	-4.3
Local government, except education	192.4	186.9	190.0	5.5	2.4

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$526.01	\$522.22	\$521.77	42.8	42.7	43.3	\$12.29	\$12.23	\$12.05
Durable Goods ^b	547.75	543.46	547.87	43.3	43.2	43.9	12.65	12.58	12.48
Lumber and wood products	346.04	337.02	317.75	42.2	41.1	41.7	8.20	8.20	7.62
Furniture and fixtures	387.39	387.07	359.24	41.7	41.8	40.5	9.29	9.26	8.87
Stone, clay, and glass products	466.82	464.88	469.15	42.4	42.3	43.2	11.01	10.99	10.86
Glass and glassware, pressed or blown	498.54	489.14	491.10	42.0	41.7	42.3	11.87	11.73	11.61
Primary metal industries	639.58	620.64	642.16	45.2	44.3	46.0	14.15	14.01	13.96
Blast furnace and basic steel products	670.42	634.48	666.92	46.3	44.4	46.9	14.48	14.29	14.22
Iron and steel foundries	653.51	662.52	668.45	44.7	45.1	46.1	14.62	14.69	14.50
Nonferrous rolling and drawing	657.90	645.24	654.05	42.2	42.2	43.2	15.59	15.29	15.14
Fabricated metal products	507.53	515.82	531.73	42.4	42.7	43.8	11.97	12.08	12.14
Cutlery, hand tools, and hardware	505.90	502.10	509.16	40.7	40.2	41.7	12.43	12.49	12.21
Fabricated structural metal products	448.86	455.94	456.45	41.6	42.1	42.5	10.79	10.83	10.74
Metal forgings and stampings	622.21	647.97	671.14	43.0	44.2	46.0	14.47	14.66	14.59
Machinery, except electrical	538.74	538.74	531.19	43.8	43.8	43.9	12.30	12.30	12.10
Construction and related machinery	445.37	439.52	424.77	41.2	41.0	41.2	10.81	10.72	10.31
Metalworking machinery	523.44	515.37	499.26	44.7	44.2	44.3	11.71	11.66	11.27
Special industry machinery	528.26	510.67	517.30	45.5	44.6	45.1	11.61	11.45	11.47
General industrial machinery	570.26	566.28	555.06	43.9	44.0	43.5	12.99	12.87	12.76
Office and computing machines	468.68	453.05	433.13	42.3	41.0	40.9	11.08	11.05	10.59
Refrigeration and service machinery	623.04	639.47	662.57	44.0	44.5	45.6	14.16	14.37	14.53
Electric and electronic equipment	461.32	462.73	471.66	41.3	41.5	42.0	11.17	11.15	11.23
Electrical industrial apparatus	474.58	473.93	482.45	43.7	43.6	43.7	10.86	10.87	11.04
Household appliances	489.14	490.45	479.57	39.8	40.3	40.3	12.29	12.17	11.90
Electric lighting and wiring equipment	460.00	470.61	488.79	40.0	40.5	42.1	11.50	11.62	11.61
Communication equipment	509.15	508.98	482.30	42.5	42.7	40.7	11.98	11.92	11.85
Transportation equipment	710.77	691.75	690.53	44.9	44.6	45.4	15.83	15.51	15.21
Motor vehicles and equipment	741.38	719.80	726.08	45.4	45.1	46.1	16.33	15.96	15.75
Aircraft and parts	638.88	627.40	595.95	44.0	43.6	43.5	14.52	14.39	13.70
Instruments and related products	375.46	378.40	367.08	39.9	40.0	39.9	9.41	9.46	9.20
Measuring and controlling devices	370.56	372.88	351.50	38.4	38.6	38.0	9.65	9.66	9.25
Nondurable Goods ^d	477.77	471.86	464.62	41.8	41.5	42.2	11.43	11.37	11.01
Food and kindred products	467.67	455.10	438.88	42.4	41.6	41.6	11.03	10.94	10.55
Meat products	366.30	387.89	367.52	40.7	42.3	40.7	9.00	9.17	9.03
Dairy products	480.26	459.19	463.31	43.7	42.4	43.3	10.99	10.83	10.70
Preserved fruits and vegetables	494.38	465.61	464.96	42.4	40.7	41.7	11.66	11.44	11.15
Bakery products	489.65	466.72	470.37	40.3	38.7	40.1	12.15	12.06	11.73
Beverages	470.45	437.60	440.79	43.2	41.4	41.9	10.89	10.57	10.52
Apparel and other textile products	297.20	293.75	302.04	38.2	38.1	39.9	7.78	7.71	7.57
Paper and allied products	498.78	486.21	498.61	43.6	42.8	44.4	11.44	11.36	11.23
Misc. converted paper products	441.52	425.46	427.00	42.7	42.0	42.7	10.34	10.13	10.00
Paperboard containers and boxes	440.15	423.90	443.98	42.9	41.6	43.4	10.26	10.19	10.23
Printing and publishing	450.04	446.18	441.00	39.1	38.9	39.2	11.51	11.47	11.25
Newspapers	376.97	381.48	375.49	33.9	34.0	34.8	11.12	11.22	10.79
Commercial printing	449.55	437.10	431.08	40.5	39.7	40.1	11.10	11.01	10.75
Chemicals and allied products	583.19	573.40	552.97	42.6	42.1	42.7	13.69	13.62	12.95
Industrial inorganic chemicals	605.82	594.86	592.70	43.9	43.2	44.1	13.80	13.77	13.44
Rubber and misc. plastics products	455.39	453.05	451.62	42.6	42.7	43.3	10.69	10.61	10.43
Tires and inner tubes	709.17	696.76	683.85	46.2	45.9	46.3	15.35	15.18	14.77
Miscellaneous plastics products	441.58	439.21	433.87	42.5	42.6	43.0	10.39	10.31	10.09

See footnotes on page 13.

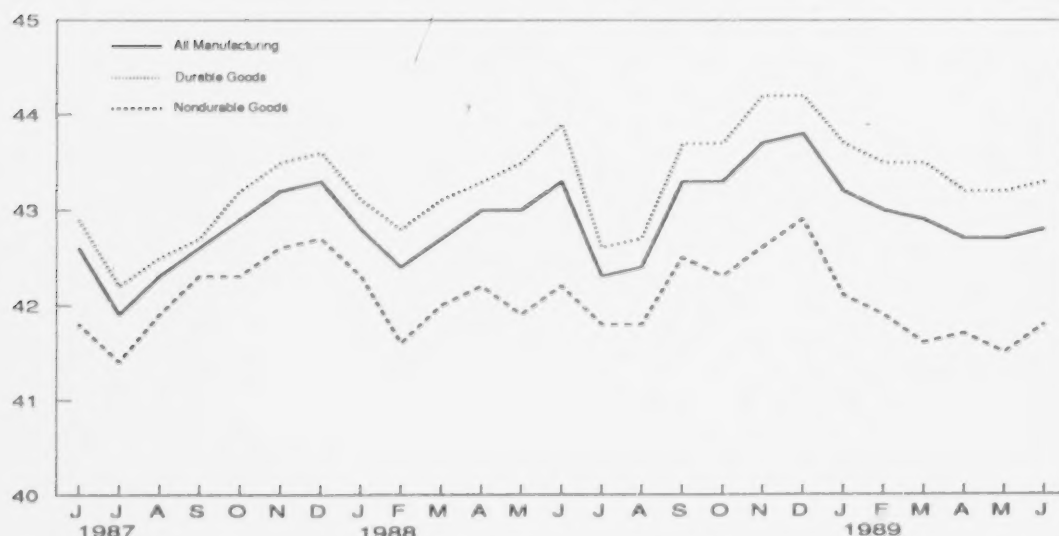
Ohio (continued)

Hours and Earnings of Production or Nonsupervisory Workers^a

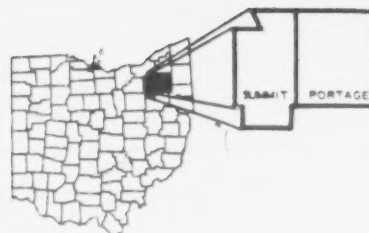
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Mining	\$577.15	\$583.00	\$538.16	43.2	44.0	43.4	\$13.36	\$13.25	\$12.40
Bituminous coal and lignite mining	703.42	707.85	636.73	42.4	42.9	41.4	16.59	16.50	15.38
Construction	581.01	588.26	589.74	37.9	38.6	39.5	15.33	15.24	14.93
Transportation and Public Utilities	591.00	577.13	560.69	41.3	40.7	40.6	14.31	14.18	13.81
Communication, electric, gas services	570.38	552.00	538.80	40.8	40.0	40.0	13.98	13.80	13.47
Communication	613.21	607.36	587.47	41.8	41.6	41.4	14.67	14.60	14.19
Electric, gas, and sanitary services									
Wholesale Trade	402.34	403.90	390.00	39.1	39.1	39.0	10.29	10.33	10.00
Wholesale trade-durable goods	391.33	393.51	385.92	38.9	39.0	39.1	10.06	10.09	9.87
Wholesale trade-nondurable goods	420.79	421.01	397.56	39.4	39.2	38.9	10.68	10.74	10.22
Retail Trade ^h	174.53	173.03	166.75	28.8	28.6	28.9	6.06	6.05	5.77
General merchandise stores	182.82	182.47	179.38	28.7	28.6	28.7	6.37	6.38	6.25
Department stores	189.15	188.79	183.74	29.1	29.0	28.8	6.50	6.51	6.38
Finance, Insurance, and Real Estate	268.58	269.20	268.99						
Banking	280.00	277.26	268.47						
Credit agencies other than banks	392.11	389.01	371.02						
Insurance carriers									
Services	352.08	348.08	338.31	32.6	32.5	33.2	10.80	10.71	10.19
Health services									
Hospitals									

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

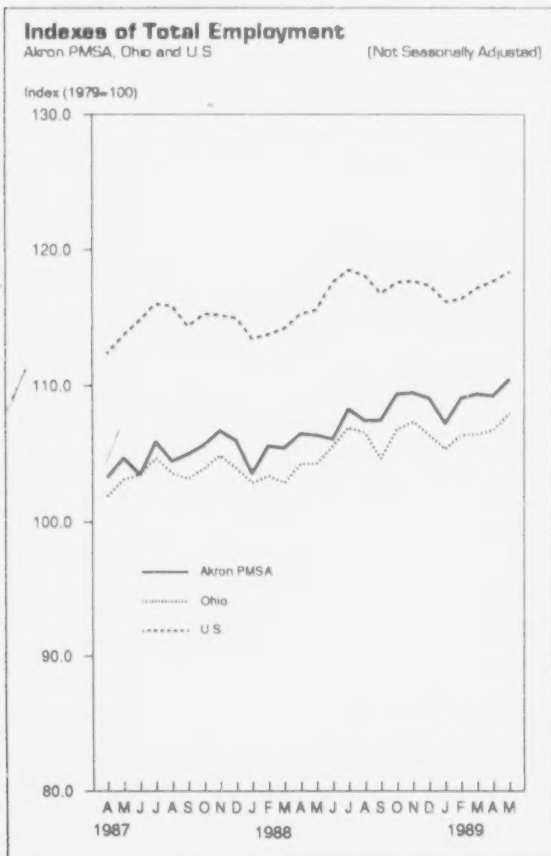


AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Akron metropolitan area declined 4,100 from the May level to 278,900 in June 1989. Seasonal layoffs of nonteaching personnel in state and local schools and colleges (-7,300) negated moderate gains in services and construction. Slight improvements in nonelectrical machinery and food and kindred products increased manufacturing employment 200 over the month to 66,200. Factory production workers averaged \$11.26 per hour, down \$.21 from May. Their average workweek of 41.9 hours was .7 hours shorter.

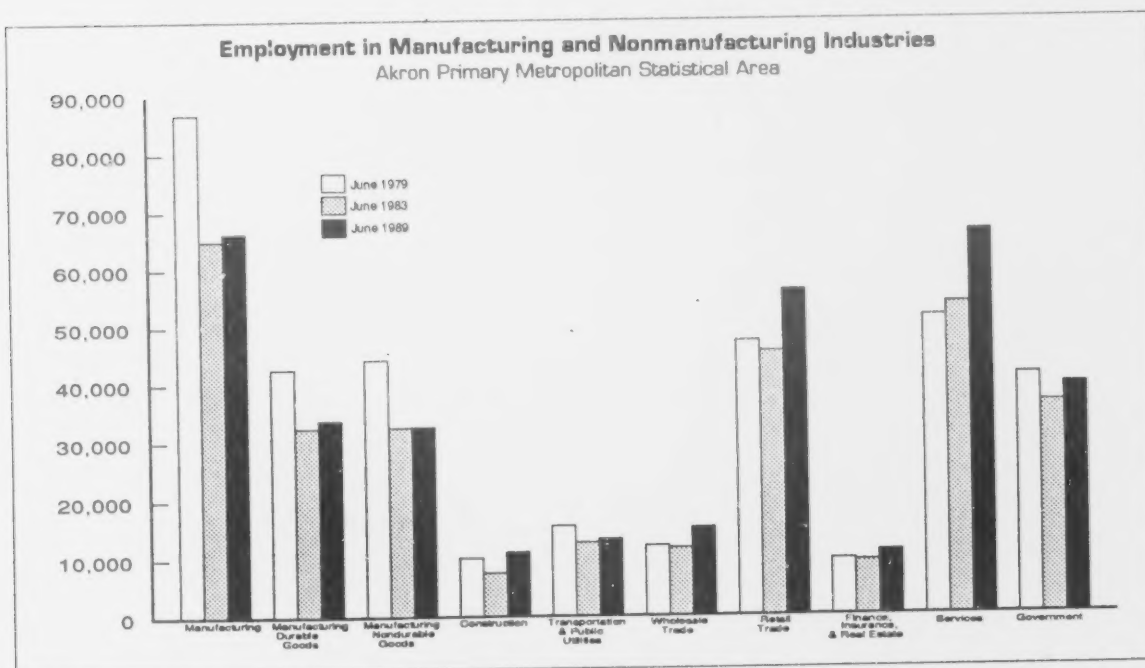
Total nonfarm wage and salary employment advanced 8,600 between June 1988 and June 1989. The growth was concentrated in the nonmanufacturing sector with significant expansion in services, especially business services, and retail trade. Noteworthy improvements also occurred in state and local schools and colleges, construction, and wholesale trade. The manufacturing workforce decreased 200 during the period. Reductions in durable-goods employment, particularly in fabricated metal products, outweighed scattered increases among producers of nondurable goods.



Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed						Manufacturing Employment		
		Total	Rate					Manufacturing Production Workers		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	\$304.14	42.3	\$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
322.4	303.8	18.6	5.8	May	273.8	65.8	37.6	504.88	43.3	11.66
322.0	302.9	19.1	5.9	June	270.4	66.4	38.0	518.62	44.1	11.76
324.5	309.1	15.5	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
331.9	315.3	16.6	5.0	May	283.1	66.0	38.8	488.62	42.6	11.47
INA	INA	INA	INA	June	278.9	66.2	39.1	471.79	41.9	11.26

INA - information not available



**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	278.9	283.1	270.4	-4.1	8.6
Manufacturing	66.2	66.0	66.4	.2	-.2
Durable Goods ^e	33.7	33.7	34.3	.0	.7
Fabricated metal products	10.8	11.0	11.3	-.1	-.4
Machinery, except electrical	9.6	9.6	9.5	.1	.1
Metalworking machinery	3.5	3.4	3.4	.0	.1
Nondurable Goods ^f	32.6	32.3	32.1	.2	.4
Food and kindred products	2.9	2.8	3.0	.1	-.1
Chemicals and allied products	3.5	3.5	3.6	.0	.0
Rubber and misc. plastics products	19.4	19.4	19.3	.0	.0
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing ^g	212.7	217.1	203.9	-4.4	8.8
Construction	11.0	10.4	10.2	.6	.8
Transportation and Public Utilities	13.2	13.1	13.0	.1	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	15.1	15.0	14.5	.2	.7
Retail Trade	56.0	55.7	53.3	.3	2.7
General merchandise stores	6.4	6.4	6.3	.0	.1
Finance, Insurance, and Real Estate	10.9	10.8	10.7	.1	.2
Banking	3.2	3.1	3.1	.1	.1
Services	66.2	65.1	63.1	1.1	3.1
Business services	14.5	14.3	13.1	.1	1.3
Amusement and recreation services	4.6	4.1	4.1	.5	.5
Health services	20.5	20.4	20.1	.1	.4
Government	39.5	46.3	38.5	-6.8	1.0
State government	11.3	17.1	10.9	-5.9	.4
State government education ^h	8.3	14.2	7.8	-6.0	.4
State government, except education	3.0	2.9	3.1	.1	.0
Local government	25.7	26.6	25.2	-.9	.5
Local government education	13.7	15.1	13.3	-1.3	.4
Local government, except education	12.0	11.5	11.9	.5	.1

Akron PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$471.79	\$488.62	\$518.62	41.9	42.6	44.1	\$11.26	\$11.47	\$11.76
Durable Goods ^e	478.30	508.26	546.68	41.7	43.0	44.7	11.47	11.82	12.23
Fabricated metal products	573.09	656.23	731.68	41.2	44.4	48.2	13.91	14.78	15.18
Machinery, except electrical	460.86	452.44	462.95	44.7	44.4	44.6	10.31	10.19	10.38
Metalworking machinery	496.68	485.37	498.34	45.4	44.9	46.4	10.94	10.81	10.74
Nondurable Goods ^f	463.36	462.42	479.33	42.2	42.0	43.3	10.98	11.01	11.07
Food and kindred products	415.67	414.54	448.12	42.2	42.0	42.8	9.85	9.87	10.47
Chemicals and allied products	488.76	499.66	488.97	40.9	41.5	41.9	11.95	12.04	11.67
Rubber and misc. plastics products	483.41	487.45	510.75	43.2	43.6	45.0	11.19	11.18	11.35
Tires and inner tubes	818.06	818.06	821.94	49.7	49.7	50.3	16.46	16.46	16.18
Transportation and Public Utilities									
Communication, electric, gas services	594.92	581.19	562.47	41.4	40.9	40.7	14.37	14.21	13.82
Wholesale Trade	353.65	347.33	353.51	36.8	36.6	38.3	9.61	9.49	9.23
Retail Trade ^h	213.20	213.20	198.11	32.6	32.6	31.8	6.54	6.54	6.23

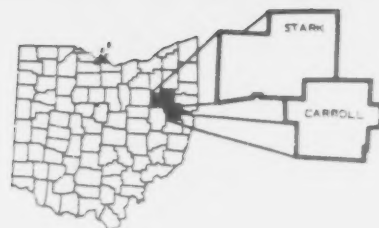
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	2,593	1,945	2,619
Active File of Job Seekers	13,929	14,927	17,303
Referrals to Jobs	1,910	957	1,511
Placements	967	514	641
Job Openings Received	1,685	504	1,475
Job Openings Unfilled	1,805	1,561	1,993
Unemployment Insurance Program			
Initial Claims	1,914	2,068	2,133
Continued Claims	17,351	22,492	19,968
First Payments	843	886	880
Last Payments	483	413	437
Weeks Compensated	16,954	18,216	17,328
Benefits Paid	\$2,568,906	\$2,798,006	\$2,550,683
Average Weekly Payment	\$157.94	\$159.37	\$151.30

CANTON METROPOLITAN STATISTICAL AREA



Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

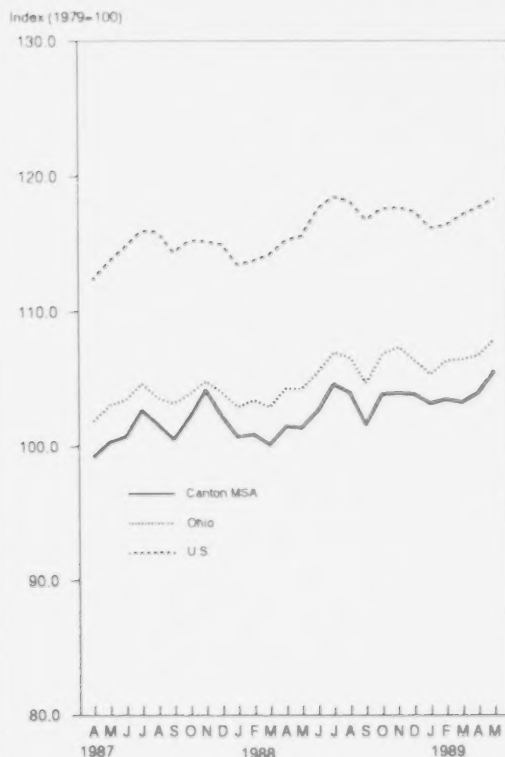
Nonfarm wage and salary employment in the Canton metropolitan area rose 600 above the May level to 165,600 in June 1989. More business in services, construction, and retail trade overshadowed seasonal layoffs of nonteaching personnel in local schools. Manufacturing employment was unchanged over the month at 45,800. A slight increase in fabricated metal products offset a decline in rubber and miscellaneous plastics products. Factory production worker average hourly earnings of \$11.80 were down fractionally from May. Their average workweek remained at 42.1 hours.

Nonagricultural payroll employment advanced 4,800 between June 1988 and June 1989. Noteworthy expansion occurred in retail trade, services, and construction. The manufacturing workforce added 700 jobs over the year due to marginal improvements in primary metal industries, fabricated metal products, and food and kindred products. Employment in rubber and miscellaneous plastics products declined.

Indexes of Total Employment

Canton MSA, Ohio and U.S.

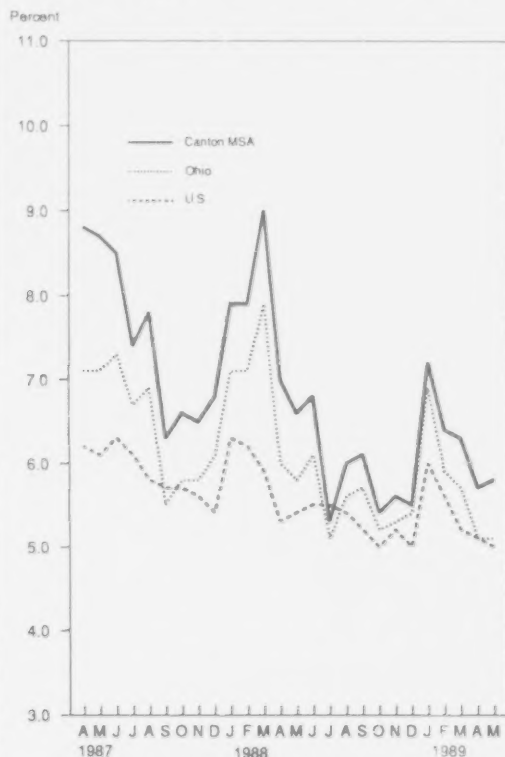
[Not Seasonally Adjusted]



Unemployment Rates

Canton MSA, Ohio and U.S.

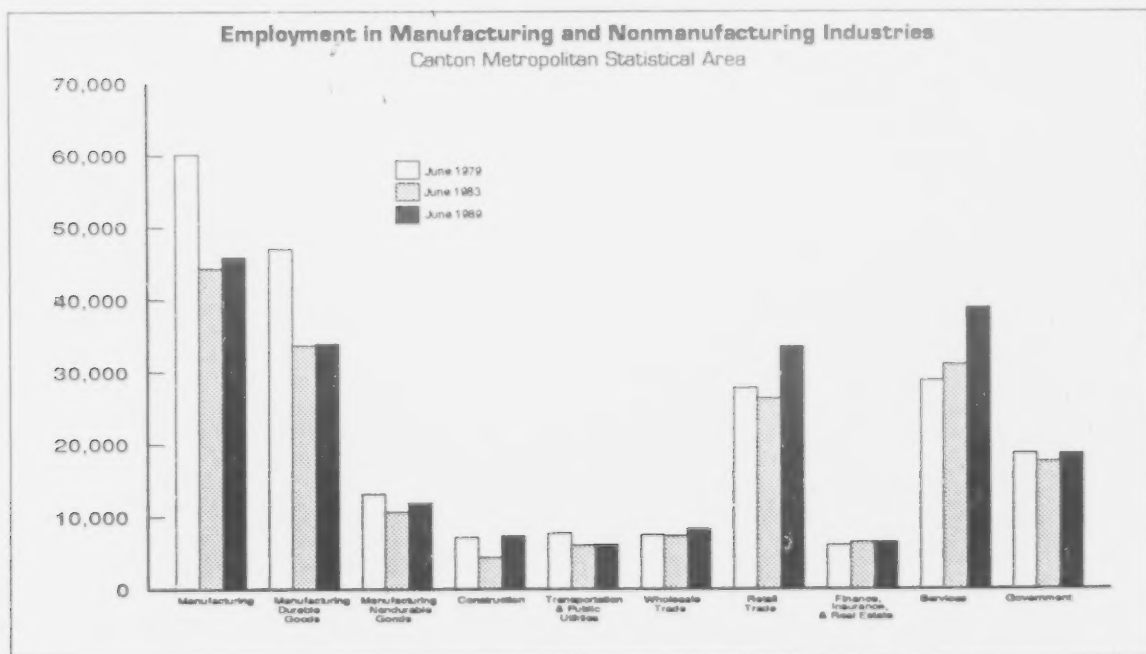
[Not Seasonally Adjusted]



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed						Manufacturing Employment		
		Total	Rate						Manufacturing Production Workers	
									Hours & Earnings	
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	\$304.67	40.3	\$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
188.7	176.2	12.5	6.6	May	159.7	44.6	31.7	492.05	43.2	11.39
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	152.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.4	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
INA	INA	INA	INA	June	165.6	45.8	32.9	496.78	42.1	11.80

INA - information not available



Nonagricultural Wage and Salary Employment^a

Canton MSA

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	165.6	165.0	160.8	.6	4.8
Manufacturing	45.8	45.8	45.1	.0	.7
Durable Goods ^e	33.9	33.9	33.2	.0	.7
Primary metal industries	11.5	11.6	11.2	.0	.3
Fabricated metal products	6.7	6.6	6.7	.1	1
Metal forgings and stampings	2.3	2.3	2.1	.0	.2
Nondurable Goods ^f	11.9	11.9	11.9	.0	.0
Food and kindred products	3.4	3.4	3.3	.0	1
Rubber and misc. plastics products	2.9	3.0	3.0	-.1	-.1
Nonmanufacturing ^g	119.8	119.2	115.7	.6	4.1
Construction	7.3	6.9	6.5	.4	.8
Transportation and Public Utilities	6.1	6.0	5.8	.0	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.2	8.0	8.0	.1	.2
Wholesale trade-durable goods	4.5	4.4	4.4	.0	.1
Retail Trade	33.5	33.2	31.8	.3	1.7
General merchandise stores	4.0	4.0	3.9	.0	.1
Food stores	5.8	5.8	5.3	.0	.5
Finance, Insurance, and Real Estate	6.4	6.3	6.4	.0	.0
Banking	1.8	1.8	1.3	.0	.0
Services	38.9	38.4	37.4	.5	1.5
Health services	15.4	15.4	15.2	.1	.2
Government	18.6	19.4	18.9	-.8	-.3
State government (includes education)	1.7	1.7	1.7	-.1	.0
Local government	15.5	16.3	15.7	-.8	-.2
Local government education	9.1	10.0	9.2	-.9	-.1
Local government, except education	6.4	6.3	6.5	.1	-.1

Hours and Earnings of Production or Nonsupervisory Workers^a

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$496.78	\$497.20	\$485.78	42.1	42.1	42.8	\$11.80	\$11.81	\$11.35
Durable Goods ^e	528.90	530.19	512.00	43.0	43.0	43.5	12.30	12.33	11.77
Primary metal industries	620.93	617.32	603.94	46.2	46.0	46.6	13.44	13.42	12.96
Fabricated metal products	483.62	475.02	452.15	41.3	40.6	42.1	11.71	11.70	10.74
Metal forgings and stampings	570.99	562.38	569.23	41.8	40.9	40.2	13.66	13.75	14.16
Nondurable Goods ^f	397.55	395.58	406.59	39.4	39.4	40.7	10.09	10.04	9.99
Food and kindred products	406.46	440.90	409.81	37.6	39.9	38.3	10.81	11.05	10.70
Rubber and misc. plastics products	408.36	396.76	411.64	41.5	41.2	41.0	9.84	9.63	10.04
Transportation and Public Utilities	581.15	567.99	546.72	41.1	40.6	40.2	14.14	13.99	13.60
Communication, electric, gas services	388.47	378.24	382.50	38.5	37.9	37.5	10.09	9.98	10.20
Wholesale Trade	166.16	163.84	160.56	28.5	28.2	29.3	5.83	5.81	5.48
Retail Trade ^g									

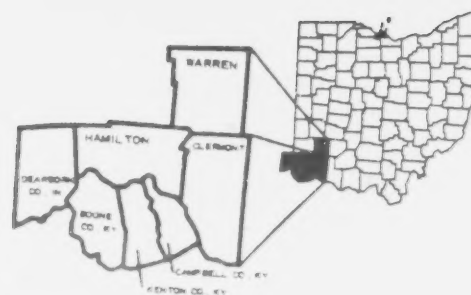
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	1,082	1,231	1,542
Active File of Job Seekers	9,908	10,473	12,069
Referrals to Jobs	481	752	1,147
Placements	61	186	190
Job Openings Received	249	329	681
Job Openings Unfilled	327	465	1,409
Unemployment Insurance Program			
Initial Claims	2,015	2,073	1,520
Continued Claims	11,952	14,462	13,158
First Payments	743	701	588
Last Payments	221	222	220
Weeks Compensated	11,698	11,380	11,262
Benefits Paid	\$1,740,656	\$1,741,553	\$1,586,247
Average Weekly Payment	\$155.02	\$159.41	\$145.29

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



In the Cincinnati metropolitan area, nonfarm payroll employment increased 3,700 from May to 734,400 in June 1989. More business in services, especially amusement and recreation services, construction, and retail trade outweighed seasonal layoffs of nonteaching personnel in local schools and colleges. Modest gains in nonelectrical machinery, transportation equipment, and food and kindred products helped raise manufacturing employment 900 to 147,400. Factory production workers averaged \$11.48 per hour, up \$.10 from May. Their average workweek of 43.1 hours was .6 hours longer.

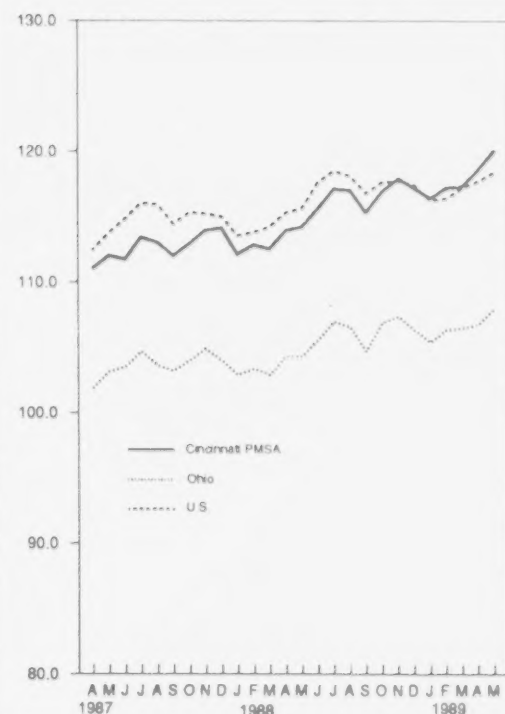
Nonagricultural wage and salary employment advanced 30,200 between June 1988 and June 1989. Although nearly all nonmanufacturing sectors recorded notable growth, leading areas of expansion were services, especially business and health services, retail trade, construction, and transportation and public utilities. Manufacturing employment rose 3,200 during the period due to gains in nonelectrical machinery, food and kindred products, and electric and electronic equipment. Employment in transportation equipment declined.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

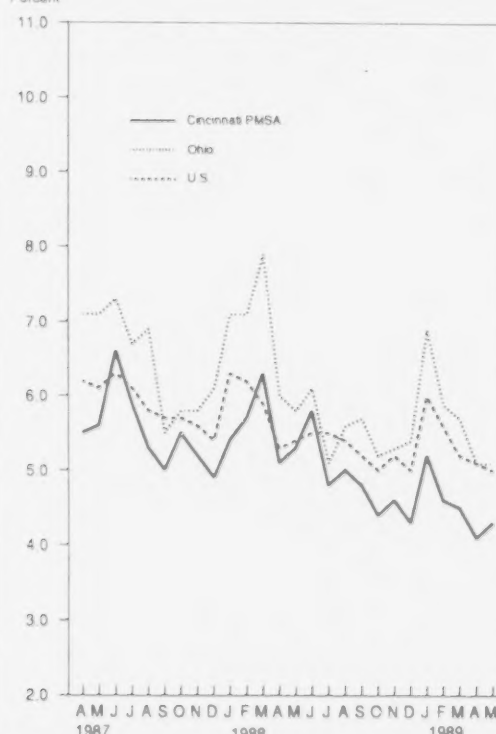


Unemployment Rates

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

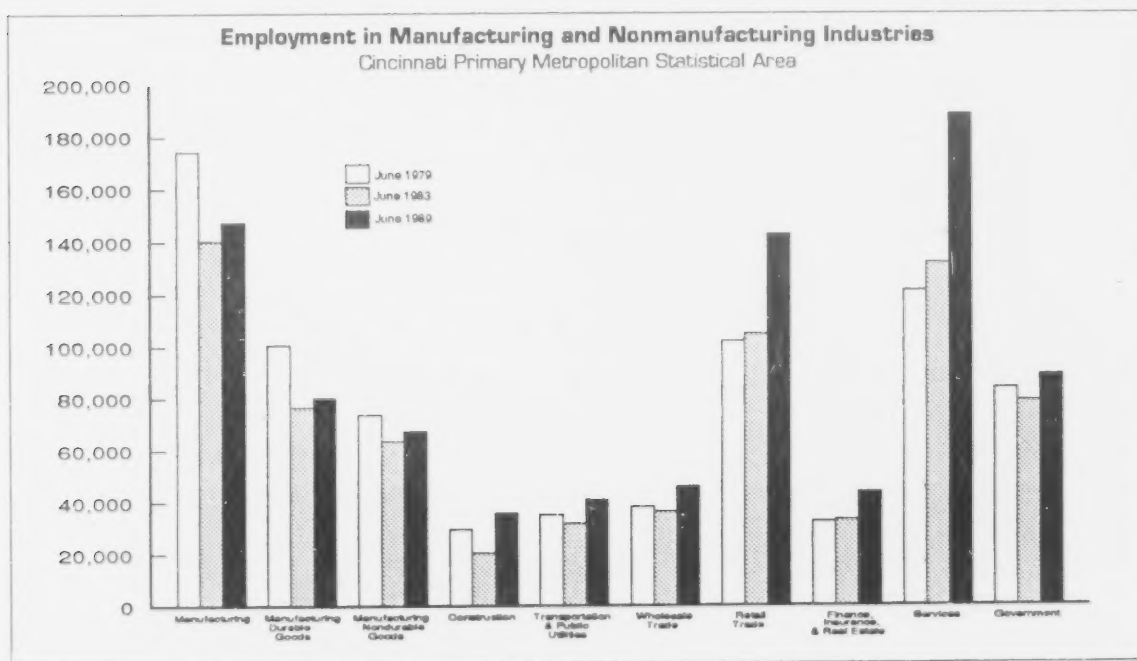
Percent



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
757.6	717.2	40.4	5.3	May	700.1	143.7	91.4	465.63	42.1	11.06
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
788.3	754.1	34.2	4.3	May	730.7	146.5	92.4	483.65	42.5	11.38
INA	INA	INA	INA	June	734.4	147.4	92.8	494.79	43.1	11.48

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	734.4	730.7	704.2	3.7	30.2
Manufacturing	147.4	146.5	144.2	.9	3.2
Durable Goods ^e	80.1	79.6	78.4	.6	1.8
Fabricated metal products	10.8	10.8	10.6	.0	.2
Fabricated structural metal products	3.7	3.7	3.8	.0	-.1
Machinery, except electrical	21.8	21.5	20.6	.3	1.2
Metalworking machinery	8.9	8.8	8.7	.1	.2
General industrial machinery	3.1	3.1	2.9	.0	.2
Electric and electronic equipment	9.1	9.0	8.6	.0	.4
Transportation equipment	23.5	23.3	24.1	-.2	-.6
Motor vehicles and equipment	4.9	5.0	4.9	-.1	.1
Nondurable Goods ^f	67.2	66.9	65.8	.3	1.4
Food and kindred products	13.1	12.9	12.4	.2	.7
Beverages	3.5	3.5	3.4	.0	.1
Apparel and other textile products	3.7	3.7	3.4	.0	.3
Paper and allied products	6.2	6.1	6.0	.1	.3
Printing and publishing	13.4	13.5	13.1	-.1	.2
Commercial printing	6.2	6.3	6.0	-.1	.2
Chemicals and allied products	22.7	22.6	22.6	.1	.1
Rubber and misc. plastics products	6.1	6.0	5.9	.1	.1
Nonmanufacturing^g	587.0	584.2	560.0	2.8	27.0
Construction	35.7	34.5	32.1	1.2	3.6
Transportation and Public Utilities	40.8	40.3	37.9	.5	2.9
Trucking and warehousing	11.6	11.4	10.6	.2	1.0
Communication, electric, gas services	16.0	15.7	15.4	.3	.6
Wholesale Trade	46.0	45.7	44.5	.3	1.5
Wholesale trade-durable goods	27.0	26.9	26.2	.1	.8
Retail Trade	142.8	141.8	134.8	1.0	8.0
General merchandise stores	20.1	20.1	19.4	.0	.7
Finance, Insurance, and Real Estate	43.8	43.3	42.5	.5	1.4
Banking	9.6	9.4	9.1	.1	.5
Insurance carriers	14.5	14.4	14.5	.1	.0
Services	188.4	186.1	180.2	2.3	8.2
Hotels and other lodging places	8.1	7.8	7.8	.3	.3
Personal services	9.5	9.4	8.9	.1	.6
Business services	46.3	45.9	42.2	.4	4.1
Amusement and recreation services	12.3	10.7	13.0	1.6	-.6
Health services	55.3	55.1	53.9	.2	1.4
Hospitals	26.3	26.2	25.7	.1	.7
Government	88.9	91.9	87.6	-3.0	1.3
Federal government	15.4	15.8	15.1	-.4	.3
State government	20.6	21.2	19.9	-.6	.8
State government education	12.5	13.2	12.0	-.8	.5
State government, except education	8.2	8.0	7.9	.2	.3
Local government	52.8	54.9	52.6	-2.0	.3
Local government education	28.7	31.3	29.4	-2.6	-.7
Local government, except education	24.2	23.6	23.2	.6	.9

Cincinnati PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$494.79	\$483.65	\$466.62	43.1	42.5	42.0	\$11.48	\$11.38	\$11.11
Durable Goods ^d	489.02	477.39	469.45	43.2	42.7	42.6	11.32	11.18	11.02
Fabricated metal products	408.24	404.34	419.16	42.0	41.9	42.0	9.72	9.65	9.98
Fabricated structural metal products	454.71	444.98	447.34	43.1	42.5	43.6	10.55	10.47	10.26
Machinery, except electrical	445.60	438.42	430.42	42.6	42.4	42.7	10.46	10.34	10.08
Metalworking machinery	488.41	484.66	493.06	44.2	44.1	44.5	11.05	10.99	11.08
General industrial machinery	442.88	437.19	438.22	42.3	42.2	45.6	10.47	10.36	9.61
Electric and electronic equipment	371.13	366.71	326.09	41.1	40.7	39.1	9.03	9.01	8.34
Transportation equipment	775.88	740.12	720.90	47.6	46.2	46.6	16.30	16.02	15.47
Motor vehicles and equipment	919.00	855.85	895.96	51.6	49.3	51.7	17.81	17.36	17.33
Nondurable Goods ^e	500.52	490.26	465.22	43.0	42.3	41.5	11.64	11.59	11.21
Food and kindred products	524.35	501.62	482.98	44.1	42.8	41.6	11.89	11.72	11.61
Beverages	510.38	511.19	519.58	40.7	40.7	41.5	12.54	12.56	12.52
Apparel and other textile products	232.50	232.99	217.19	37.5	37.7	37.0	6.20	6.18	5.87
Paper and allied products	480.41	483.27	422.35	44.4	44.5	41.9	10.82	10.86	10.08
Printing and publishing	469.94	448.72	446.23	40.9	39.5	39.7	11.49	11.36	11.24
Commercial printing	504.74	469.77	475.27	43.4	41.1	41.8	11.63	11.43	11.37
Chemicals and allied products	593.21	585.50	556.62	43.3	42.8	42.2	13.70	13.68	13.19
Rubber and misc. plastics products	442.83	447.92	401.76	45.7	45.8	43.2	9.69	9.78	9.30
Transportation and Public Utilities	585.26	579.98	563.70	41.1	40.7	40.7	14.24	14.25	13.85
Communication, electric, gas services	585.26	579.98	563.70	41.1	40.7	40.7	14.24	14.25	13.85
Wholesale Trade	421.65	420.80	406.42	40.7	40.5	40.4	10.36	10.39	10.06
Retail Trade ^h	173.16	168.76	167.83	29.2	28.7	29.6	5.93	5.88	5.67
Finance, Insurance, and Real Estate	263.47	265.35	260.77						
Banking	263.47	265.35	260.77						

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

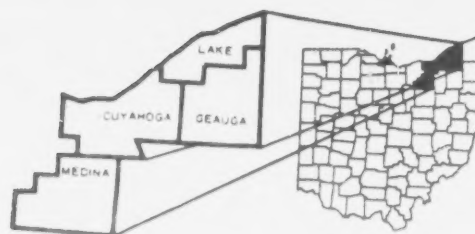
Selected Administrative Program Activities^a

Cincinnati PMSA

	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	2,811	3,046	2,916
Active File of Job Seekers	15,746	15,684	21,335
Referrals to Jobs	1,489	1,953	1,850
Placements	134	315	599
Job Openings Received	937	891	1,295
Job Openings Unfilled	1,546	1,682	1,883
Unemployment Insurance Program			
Initial Claims	3,600	3,787	4,157
Continued Claims	29,318	34,497	39,185
First Payments	1,721	2,025	1,660
Last Payments	577	468	747
Weeks Compensated	27,750	26,566	31,220
Benefits Paid	\$4,402,231	\$4,249,934	\$4,874,757
Average Weekly Payment	\$163.02	\$166.61	\$158.37

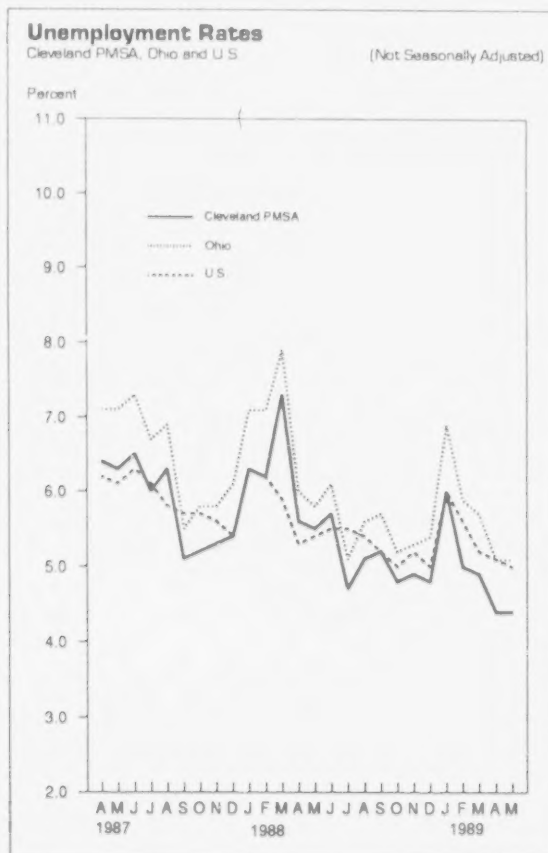
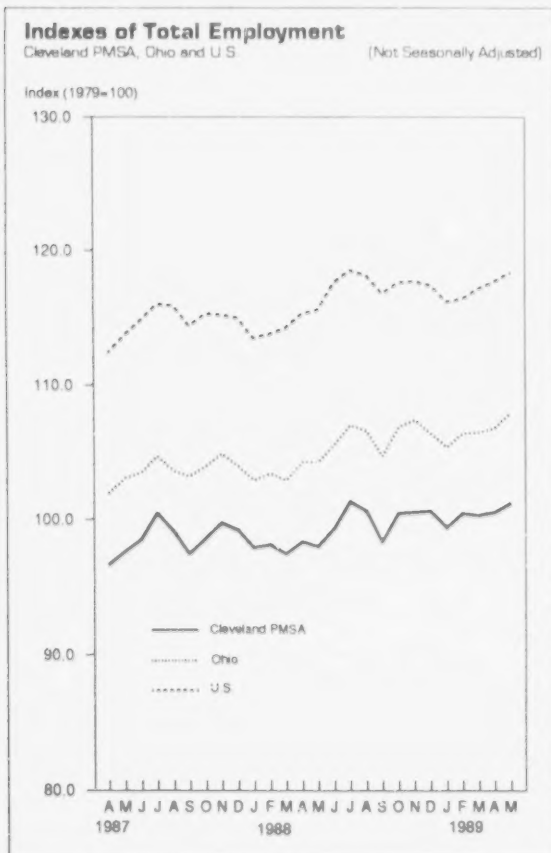
^a Ohio data only

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Cleveland metropolitan area rose 6,400 above the May level to 933,200 in June 1989. Continued expansion in services, retail trade, and construction more than offset seasonal layoffs of nonteaching personnel in local schools and colleges, raising nonmanufacturing employment 5,800. The manufacturing workforce increased 500 to 205,400. Modest gains in chemicals and allied products, primary metal industries, and electric and electronic equipment outweighed reductions in transportation equipment, especially motor vehicles and equipment. Factory production workers averaged \$11.97 per hour, unchanged from May. Their average workweek of 43.4 hours was .4 hours longer.

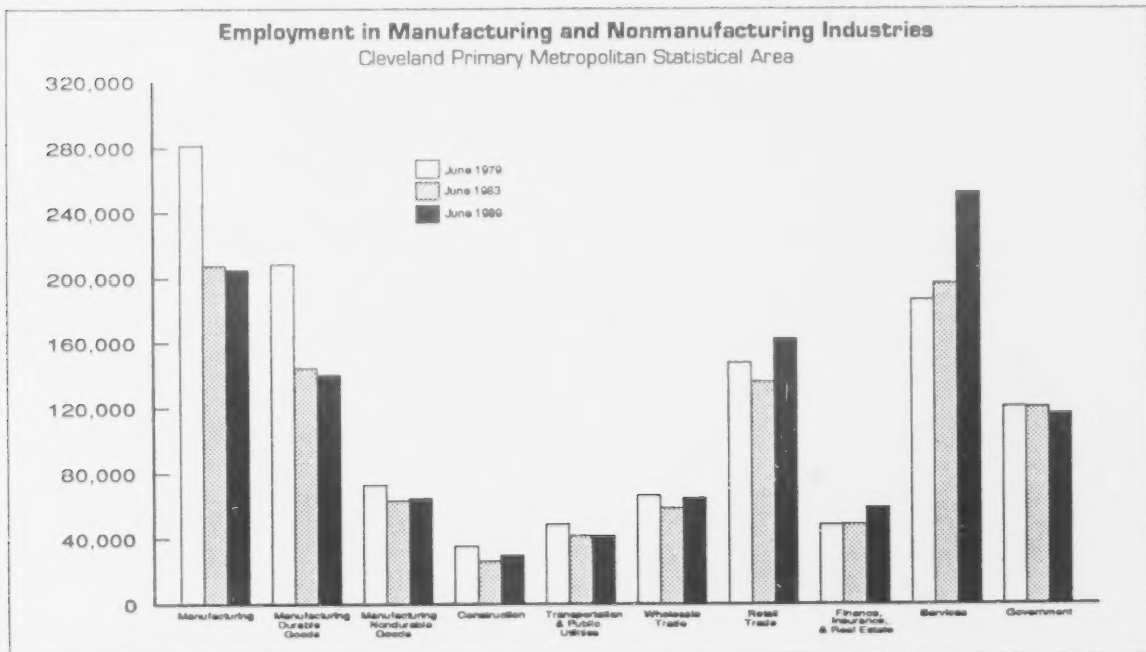
Nonagricultural wage and salary employment advanced 22,200 between June 1988 and June 1989. The leading growth industry was services (+10,600) with notable gains in business and health services. Significant expansion also was recorded in retail trade, finance, insurance, and real estate, wholesale trade, and construction. Manufacturing employment increased 3,200 during the period with moderate improvements in nonelectrical machinery, chemicals and allied products, primary metal industries, fabricated metal products, and printing and publishing.



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	\$321.75	42.9	\$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
922.0	871.3	50.7	5.5	May	902.7	200.6	129.2	513.42	43.4	11.83
936.6	883.0	53.5	5.7	June	911	202.2	130.4	518.28	43.7	11.86
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
941.8	900.0	41.8	4.4	May	926.9	204.8	131.9	514.71	43.0	11.97
INA	INA	INA	INA	June	933.2	205.4	132.1	519.50	43.4	11.97

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	933.2	926.9	911.0	6.4	22.2
Manufacturing	205.4	204.8	202.2	.5	3.2
Durable Goods ^e	140.6	140.8	138.4	-.2	2.2
Primary metal industries	21.7	21.5	21.4	.2	.4
Iron and steel foundries	4.5	4.5	4.7	.0	-.2
Fabricated metal products	32.7	32.7	32.4	.0	.3
Fabricated structural metal products	4.1	4.1	3.8	.0	.3
Screw machine products, bolts, etc.	5.0	4.9	4.9	.1	.1
Metal forgings and stampings	10.9	10.9	11.0	-.1	-.2
Machinery, except electrical	30.6	30.7	29.7	-.1	.9
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	10.4	10.4	10.0	.0	.5
Special industry machinery	2.5	2.6	2.6	-.1	-.1
General industrial machinery	3.3	3.3	3.1	.0	.2
Electric and electronic equipment	18.1	18.0	18.2	.2	-.1
Electrical industrial apparatus	6.8	6.7	6.5	.1	.3
Transportation equipment	19.2	19.7	19.1	-.5	.0
Motor vehicles and equipment	12.1	12.5	11.9	-.4	.2
Instruments and related products	6.5	6.6	6.4	-.1	.1
Measuring and controlling devices	4.5	4.6	4.3	-.1	.2
Nondurable Goods ^f	64.8	64.1	63.8	.7	1.0
Food and kindred products	6.6	6.6	6.6	.1	.1
Apparel and other textile products	3.5	3.5	3.6	-.1	-.1
Paper and allied products	5.9	5.9	5.9	.1	.1
Printing and publishing	16.2	16.1	15.9	.1	.3
Chemicals and allied products	15.5	15.2	15.0	.3	.5
Rubber and misc. plastics products	11.4	11.4	11.4	.0	.0
Nonmanufacturing^g	727.8	722.0	708.8	5.8	19.1
Construction	30.0	28.4	29.0	1.5	1.0
Transportation and Public Utilities	41.8	41.5	41.6	.3	.2
Trucking and warehousing	12.2	12.1	12.1	.2	.2
Communication, electric, gas services	17.1	17.1	17.6	.0	-.4
Wholesale Trade	64.5	64.2	63.1	.4	1.5
Wholesale trade-durable goods	44.8	44.6	43.8	.2	1.0
Retail Trade	162.7	161.1	158.4	1.6	4.3
General merchandise stores	20.6	20.5	20.2	.1	.4
Finance, Insurance, and Real Estate	59.2	58.5	57.2	.7	2.0
Banking	14.4	14.3	14.1	.1	.2
Credit agencies other than banks	9.0	8.9	8.8	.2	.2
Insurance carriers	14.6	14.5	14.0	.1	.7
Services	252.0	250.0	241.5	2.1	10.6
Business services	58.5	57.6	54.8	.9	3.7
Amusement and recreation services	9.1	8.2	9.1	.9	.0
Health services	79.1	78.7	76.7	.4	2.3
Hospitals	44.2	44.0	43.6	.2	.6
Government	116.6	117.4	117.3	-.8	-.7
Federal government	20.8	20.7	21.0	.0	-.2
State government	8.5	8.1	8.6	.3	-.1
State government education	3.4	3.1	3.3	.3	.0
State government, except education	5.1	5.0	5.3	.1	-.2
Local government	87.4	88.5	87.7	-1.2	-.3
Local government education	42.5	44.9	43.5	-2.5	-1.0
Local government, except education	44.9	43.6	44.2	1.3	.7

Cleveland PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^e	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^e	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^e
Manufacturing	\$519.50	\$514.71	\$518.28	43.4	43.0	43.7	\$11.97	\$11.97	\$11.86
Durable Goods ^d	547.80	545.31	560.35	44.0	43.8	44.9	12.45	12.45	12.48
Primary metal industries	569.42	550.26	607.85	45.7	44.7	47.6	12.46	12.31	12.77
Iron and steel foundries	889.56	917.45	897.39	50.4	51.6	50.7	17.65	17.78	17.70
Fabricated metal products	541.01	548.96	569.70	43.7	44.2	45.0	12.38	12.42	12.66
Fabricated structural metal products ..	427.57	446.73	400.08	42.8	44.1	40.7	9.99	10.13	9.83
Screw machine products, bolts, etc.	569.16	565.65	562.12	45.1	45.0	47.0	12.62	12.57	11.96
Metal forgings and stampings	665.97	676.01	744.96	44.9	45.4	48.5	14.83	14.89	15.36
Machinery, except electrical	516.22	528.19	508.46	43.6	44.2	43.2	11.84	11.95	11.77
Construction and related machinery ...	450.40	447.12	404.90	46.1	46.0	44.3	9.77	9.72	9.14
Metalworking machinery	507.76	502.55	439.93	44.0	43.7	41.0	11.54	11.50	10.73
Special industry machinery	479.64	493.08	474.50	41.1	42.0	40.8	11.67	11.74	11.63
General industrial machinery	493.64	517.18	487.49	43.0	44.7	43.8	11.48	11.57	11.13
Electric and electronic equipment	471.49	464.40	460.40	42.4	41.8	42.2	11.12	11.11	10.91
Electrical industrial apparatus	539.90	534.80	525.83	44.4	43.8	44.6	12.16	12.21	11.79
Transportation equipment	737.81	719.22	767.39	45.6	44.7	48.6	16.18	16.09	15.79
Motor vehicles and equipment	839.58	810.93	851.62	47.3	46.0	49.0	17.75	17.63	17.38
Instruments and related products	409.70	405.70	413.53	41.3	41.3	42.5	9.92	9.92	9.73
Measuring and controlling devices	443.50	446.04	431.81	41.8	42.0	41.6	10.61	10.62	10.38
Nondurable Goods ^f	447.68	436.81	416.98	41.8	40.9	40.8	10.71	10.68	10.22
Food and kindred products	460.31	462.01	388.40	43.1	42.7	40.0	10.68	10.82	9.71
Apparel and other textile products	342.14	338.78	324.23	38.1	37.6	39.3	8.98	9.01	8.25
Paper and allied products	490.83	465.89	448.04	44.1	42.2	40.4	11.13	11.04	11.09
Printing and publishing	415.34	415.76	396.38	38.0	37.9	36.6	10.93	10.97	10.83
Chemicals and allied products	549.19	538.27	506.78	43.9	43.2	43.5	12.51	12.46	11.65
Rubber and misc. plastics products	388.37	376.42	393.32	43.2	42.2	43.8	8.99	8.92	8.98
Transportation and Public Utilities									
Communication, electric, gas services ..	636.19	615.45	576.32	42.3	41.5	40.5	15.04	14.83	14.23
Wholesale Trade	433.79	433.71	420.51	39.4	39.5	38.9	11.01	10.98	10.81
Retail Trade ^h	190.68	185.35	186.78	28.0	27.5	28.3	6.81	6.74	6.60
Finance, Insurance, and Real Estate									
Banking	305.15	304.56	306.99						
Services									
Health services									
Hospitals	348.84	349.45	340.02	30.6	30.6	31.6	11.40	11.42	10.76

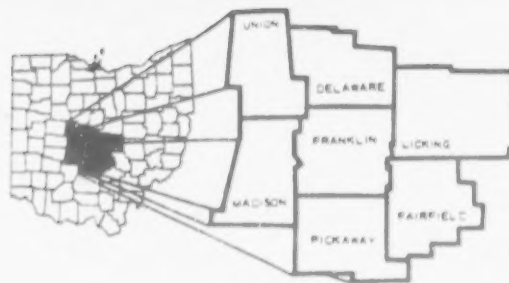
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

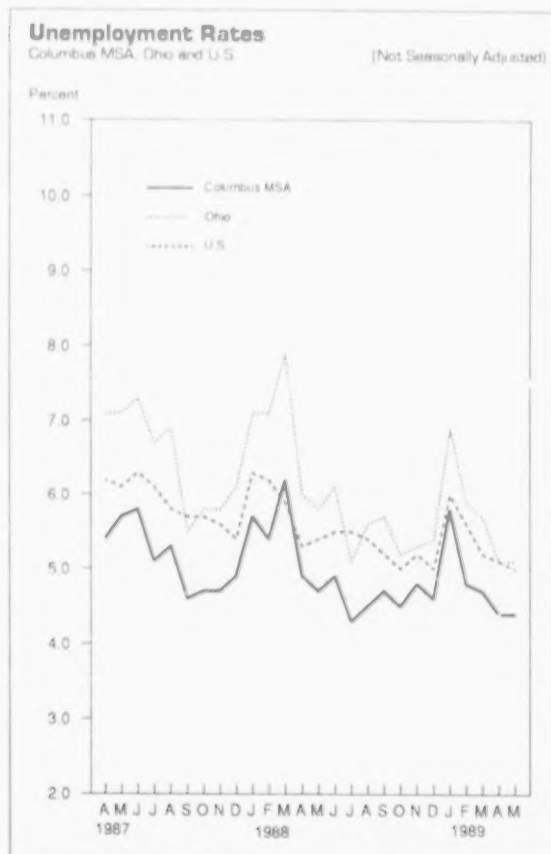
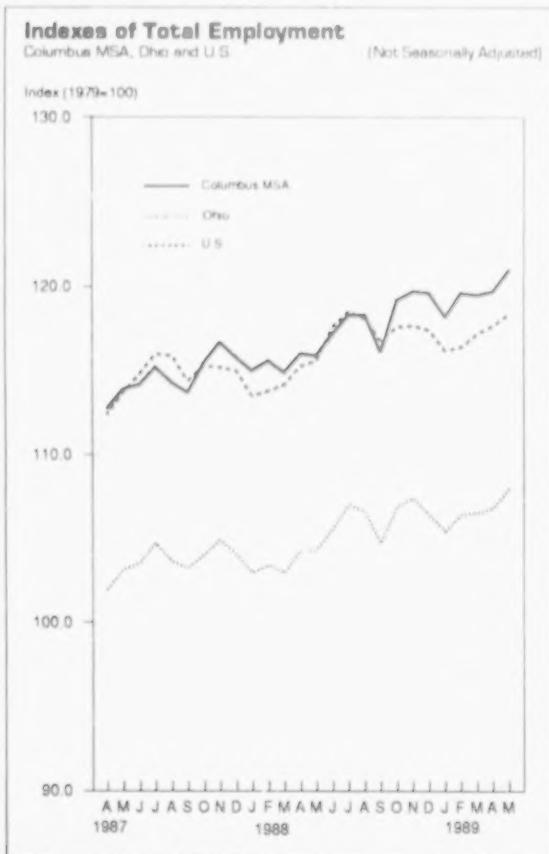
	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	4,229	4,273	4,637
Active File of Job Seekers	44,934	46,627	58,594
Referrals to Jobs	2,159	1,921	2,322
Placements	279	318	472
Job Openings Received	1,154	1,408	1,699
Job Openings Unfilled	3,834	3,948	4,200
Unemployment Insurance Program			
Initial Claims	5,811	5,713	5,750
Continued Claims	44,652	49,665	57,584
First Payments	2,382	2,277	2,415
Last Payments	960	925	1,030
Weeks Compensated	39,667	40,272	47,302
Benefits Paid	\$6,185,092	\$6,313,155	\$7,225,147
Average Weekly Payment	\$159.96	\$160.39	\$155.36

COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Columbus metropolitan area totaled 705,000 in June 1989, up 3,200 from the May level. More business in construction, services, retail trade, and finance, insurance, and real estate accounted for most of the improvement. Although marginal increases were recorded in nonelectrical machinery and transportation equipment, scattered reductions in other durable-goods industries, especially fabricated metal products, lowered manufacturing employment 100 over the month to 102,800. Factory production workers averaged \$11.96 per hour, unchanged from May. Their average workweek of 41.3 hours was .1 hours longer.

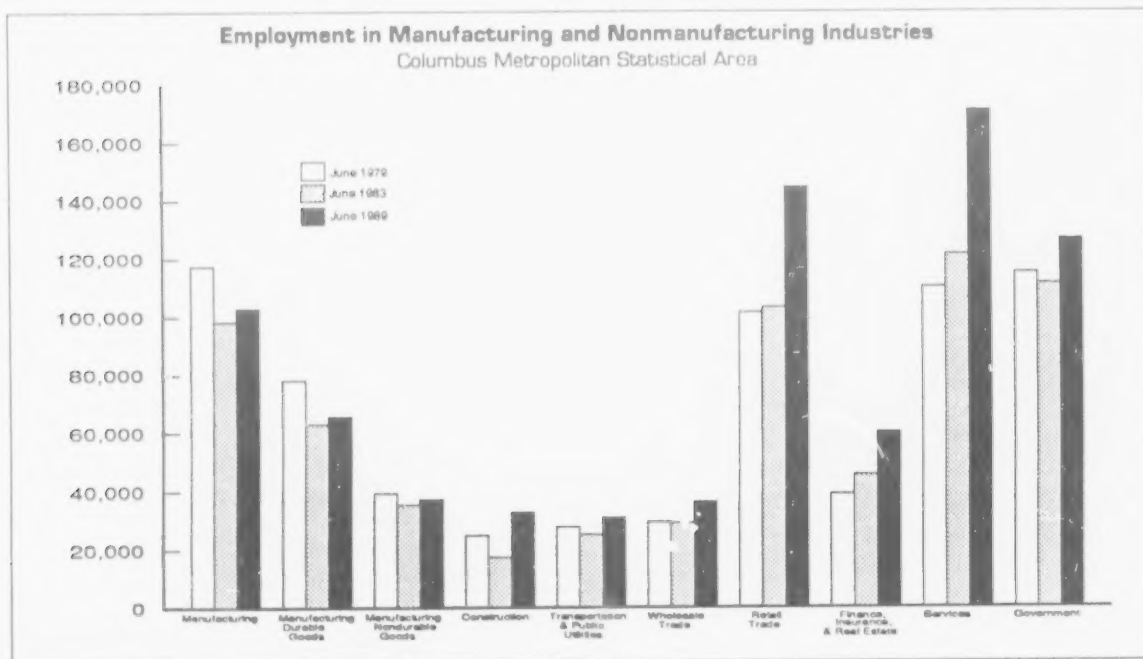
Total nonfarm wage and salary employment advanced 23,300 between June 1988 and June 1989. Primary growth industries were services, particularly business and health services, retail trade, and construction. Moderate expansion also occurred in wholesale trade, finance, insurance, and real estate, and transportation and public utilities. The manufacturing workforce added 100 jobs during the period. Improvements in transportation equipment, instruments and related products, and printing and publishing offset reductions in food and kindred products, nonelectrical machinery, electric and electronic equipment, and rubber and miscellaneous plastics products.



Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment					
		Total	Rate					Manufacturing Production Workers		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.15	41.5	11.57
				1988						
702.5	669.5	33.0	4.7	May	677.6	101.8	67.3	480.24	41.4	11.60
711.8	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.4	683.1	32.3	4.5	August	676.7	102.6	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
731.0	698.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
INA	INA	INA	INA	June	705.0	102.8	67.6	493.95	41.3	11.96

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	701.8	701.8	681.6	3.2	23.3
Manufacturing	102.8	102.9	102.7	-.1	.1
Durable Goods ^e	65.5	65.7	64.8	-.1	.8
Stone, clay, and glass products	10.1	10.1	10.2	.0	-.1
Glass and glassware, pressed or blown	3.2	3.2	3.3	.0	-.1
Fabricated metal products	9.2	9.4	9.1	-.2	.1
Fabricated structural metal products	2.5	2.6	2.4	.0	.2
Machinery, except electrical	9.6	9.6	9.8	.1	-.2
Electric and electronic equipment	10.5	10.6	10.7	.0	-.2
Transportation equipment	13.3	13.2	12.5	.1	.9
Instruments and related products	4.3	4.3	4.1	.0	.2
Nondurable Goods ^f	37.2	37.2	37.9	.0	-.7
Food and kindred products	10.0	10.1	10.3	.0	-.3
Printing and publishing	10.7	10.6	10.5	.0	.2
Chemicals and allied products	6.7	6.6	6.8	.0	-.1
Rubber and misc. plastics products	5.5	5.5	5.6	.0	-.2
Nonmanufacturing ^g	602.2	598.9	579.0	3.3	23.2
Construction	32.6	31.2	29.3	1.3	3.2
Transportation and Public Utilities	30.9	30.7	29.6	.2	1.3
Trucking and warehousing	13.0	12.9	12.2	.1	.9
Communication, electric, gas services	11.8	11.9	12.0	.0	-.2
Wholesale Trade	36.2	36.1	34.6	.2	1.7
Wholesale trade-durable goods	23.3	23.2	22.3	.1	1.0
Retail Trade	144.3	143.8	138.0	.5	6.3
General merchandise stores	19.6	19.6	20.3	.0	-.7
Finance, Insurance, and Real Estate	59.8	59.3	58.3	.5	1.4
Banking	11.8	11.7	11.4	.1	.4
Insurance carriers	23.6	23.5	23.2	.0	.4
Services	171.0	170.3	162.6	.7	8.4
Business services	40.7	40.3	37.3	.4	3.5
Health services	43.1	42.7	41.3	.4	1.7
Hospitals	19.7	19.5	18.9	.1	.7
Government	126.4	126.6	125.6	-.2	.9
Federal government	15.2	15.2	15.3	-.1	-.2
State government	56.4	55.6	56.1	.8	.3
State government education ^h	24.1	23.7	24.5	.4	-.4
State government, except education	32.3	31.9	31.6	.3	.7
Local government	54.9	55.8	54.1	-.9	.7
Local government education	32.4	33.9	32.2	-1.5	.2
Local government, except education	22.5	21.9	21.9	.6	.5

Columbus MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$493.95	\$492.75	\$480.16	41.3	41.2	41.5	\$11.96	\$11.96	\$11.57
Durable Goods ^d	498.08	497.28	490.05	41.3	41.2	41.6	12.06	12.07	11.78
Stone, clay, and glass products	519.70	509.84	485.03	43.2	42.7	41.0	12.03	11.94	11.83
Glass and glassware, pressed or blown	470.82	450.73	425.02	42.0	41.2	39.1	11.21	10.94	10.87
Fabricated metal products	494.51	502.25	529.61	40.6	40.9	41.8	12.18	12.28	12.67
Fabricated structural metal products	425.64	438.37	453.02	38.8	39.6	41.6	10.97	11.07	10.89
Machinery, except electrical	462.89	450.77	430.54	41.0	40.5	40.2	11.29	11.13	10.71
Electric and electronic equipment	459.29	463.16	460.53	39.8	40.1	40.9	11.54	11.55	11.26
Transportation equipment	594.18	588.80	584.05	42.2	41.7	42.6	14.08	14.12	13.71
Instruments and related products	433.95	431.58	411.93	40.9	40.6	39.8	10.61	10.63	10.35
Nondurable Goods ^f	486.10	483.69	458.97	41.3	41.2	41.2	11.77	11.74	11.14
Food and kindred products	446.71	446.45	447.37	41.4	41.3	41.5	10.79	10.81	10.78
Printing and publishing	584.11	584.11	541.75	40.2	40.2	39.4	14.53	14.53	13.75
Chemicals and allied products	605.20	596.14	535.19	42.5	42.1	41.2	14.24	14.16	12.99
Rubber and misc. plastics products	368.40	365.79	365.91	41.3	41.1	42.4	8.92	8.90	8.63
Transportation and Public Utilities	599.87	579.36	586.05	41.6	40.8	41.3	14.42	14.20	14.19
Communication, electric, gas services									
Wholesale Trade	369.57	367.25	342.62	38.1	37.9	37.0	9.70	9.69	9.26
Retail Trade ^h	190.28	186.48	181.10	28.7	28.0	28.7	6.63	6.66	6.31
Finance, Insurance, and Real Estate									
Banking	272.83	274.92	267.99						
Services									
Health services									
Hospitals	369.17	367.41	337.55	33.9	33.8	34.2	10.89	10.87	9.87

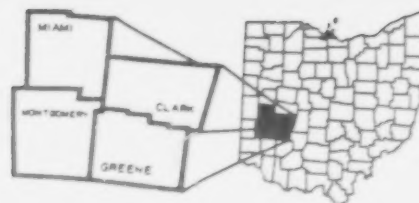
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	3,915	4,220	4,339
Active File of Job Seekers	25,798	28,952	29,587
Referrals to Jobs	2,182	2,903	2,976
Placements	577	449	825
Job Openings Received	1,042	1,108	1,310
Job Openings Unfilled	2,000	2,532	2,377
Unemployment Insurance Program			
Initial Claims	3,876	3,801	3,324
Continued Claims	30,019	37,796	31,384
First Payments	1,580	1,572	2,063
Last Payments	769	687	757
Weeks Compensated	28,565	29,263	28,421
Benefits Paid	\$4,534,473	\$4,683,085	\$4,361,842
Average Weekly Payment	\$166.04	\$166.80	\$156.96

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 450,900 in June 1989, up 1,200 from the May level. Increased business in services, construction, and retail trade more than offset seasonal layoffs of nonteaching personnel in local schools and colleges. Scattered reductions among producers of durable goods negated a slight increase in nondurable goods and lowered manufacturing employment 200 to 104,400. Factory production worker average hourly earnings of \$12.92 were up \$.03 from May. Their average workweek was .3 hours longer, at 43.4 hours.

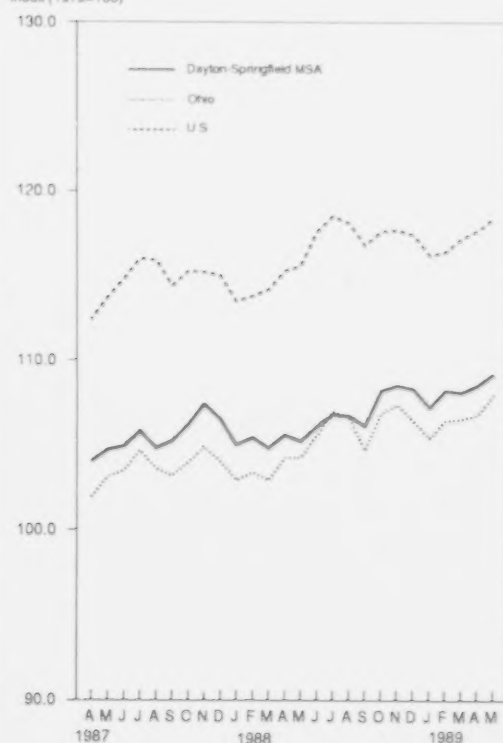
Nonagricultural wage and salary employment advanced 13,100 between June 1988 and June 1989. Significant expansion occurred in services, especially business and health services, retail trade, construction, and government. The manufacturing workforce declined 500 over the year. Modest reductions were recorded in transportation equipment, fabricated metal products, printing and publishing, and rubber and miscellaneous plastics products. Employment in nonelectrical machinery and food and kindred products increased.

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

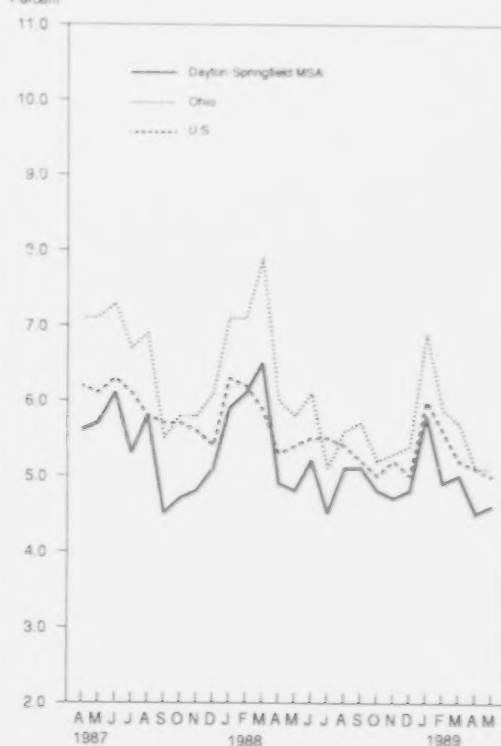


Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Percent



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force			
Total	Employed	Unemployed	
		Total	Rate
INA	INA	INA	INA
INA	INA	INA	INA
INA	INA	INA	INA
INA	INA	INA	INA
INA	INA	INA	INA
438.5	391.9	46.6	10.6
440.1	404.8	35.2	8.0
450.4	418.1	32.4	7.2
460.5	430.1	30.3	6.6
463.8	437.7	26.2	5.6
469.0	444.6	24.4	5.2
461.6	439.6	22.0	4.8
467.8	443.4	24.3	5.2
467.4	446.5	20.8	4.5
469.6	445.8	23.8	5.1
467.3	443.3	24.0	5.1
474.9	452.1	22.8	4.8
475.8	453.5	22.3	4.7
475.2	452.5	22.7	4.8
475.4	447.9	27.5	5.8
475.7	452.3	23.4	4.9
475.7	451.9	23.8	5.0
475.2	453.7	21.5	4.5
478.8	456.6	22.2	4.6
INA	INA	INA	INA

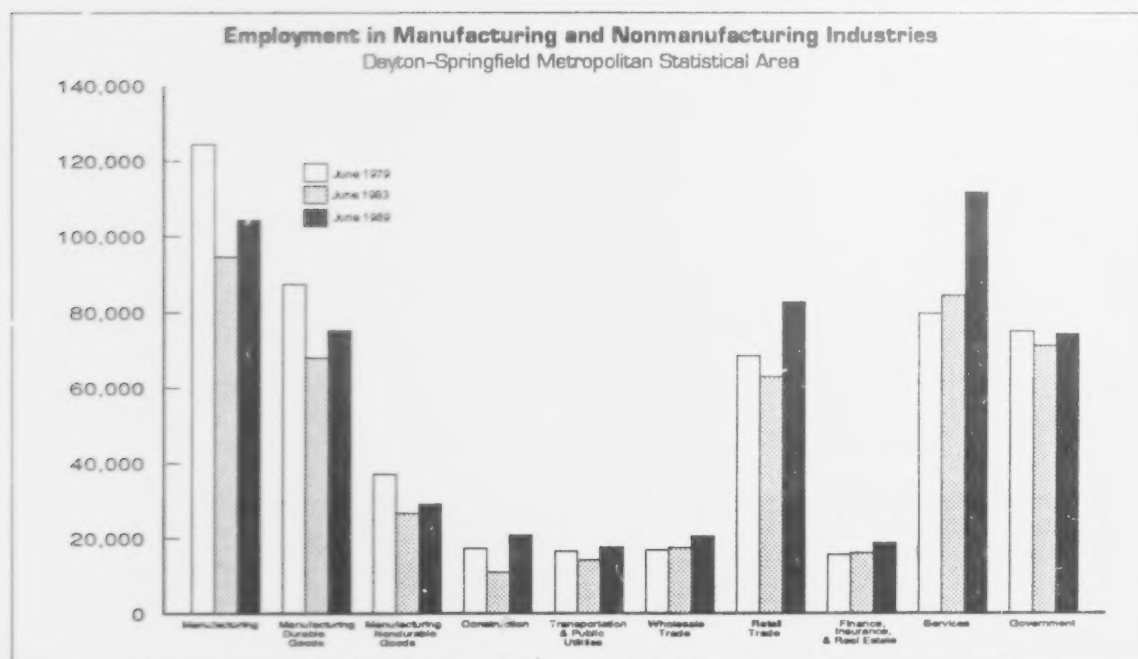
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988

1989
May
June
July
August
September
October
November
December

1989
January
February
March
April
May
June

Nonagricultural Wage & Salary Employment					
Manufacturing Employment			Hours & Earnings		
Manufacturing Production Workers			Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
401.1	125.0	INA	INA	INA	INA
408.8	122.5	INA	INA	INA	INA
397.1	110.9	INA	INA	INA	INA
393.2	109.9	INA	INA	INA	INA
374.3	97.3	INA	INA	INA	INA
372.3	95.5	INA	INA	INA	INA
392.7	103.7	67.7	\$480.99	42.9	\$11.21
408.9	106.3	69.1	517.10	43.2	11.97
419.4	105.7	68.2	514.88	42.8	12.03
429.8	104.3	67.1	499.38	42.0	11.89
436.7	104.5	67.2	546.41	43.4	12.59
436.3	104.6	67.5	551.06	43.7	12.61
437.8	104.9	67.4	559.24	44.0	12.71
432.3	104.8	67.2	525.34	42.4	12.39
432.6	104.3	66.6	522.44	42.2	12.38
442.8	105.4	68.1	552.41	43.6	12.67
445.0	104.8	67.7	573.69	44.3	12.95
450.3	105.3	68.2	580.69	44.6	13.02
448.2	105.5	68.3	574.98	44.4	12.95
438.2	104.9	67.7	576.83	44.1	13.08
438.6	104.7	67.5	565.93	43.6	12.98
441.3	104.9	67.6	563.77	43.3	13.02
447.4	104.8	67.6	555.13	43.1	12.88
449.7	104.6	67.3	555.56	43.1	12.89
450.9	104.4	66.9	560.73	43.4	12.92

INA - information not available



Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	450.9	449.7	437.8	1.2	13.1
Manufacturing	104.4	104.6	104.9	-.2	-.5
Durable Goods ^e	75.3	75.6	75.5	-.3	-.2
Fabricated metal products	8.2	8.4	8.5	-.1	-.3
Machinery, except electrical	30.9	31.0	30.7	-.1	.2
Metalworking machinery	6.6	6.7	6.6	-.1	.0
General industrial machinery	2.8	2.8	2.8	.0	.1
Electric and electronic equipment	5.8	5.8	5.9	.0	-.1
Electrical industrial apparatus	3.4	3.3	3.3	.1	.0
Transportation equipment	20.4	20.5	20.9	-.1	-.4
Nondurable Goods ^f	29.1	28.9	29.4	.1	-.3
Food and kindred products	3.0	3.0	2.8	.0	.2
Paper and allied products	5.9	5.8	5.9	.1	.0
Printing and publishing	8.8	8.8	9.0	.0	-.2
Rubber and misc. plastics products	7.7	7.6	7.8	.1	-.2
Nonmanufacturing^g	346.5	345.1	332.9	1.4	13.6
Construction	20.8	19.9	18.6	.9	2.2
Transportation and Public Utilities	17.5	17.4	16.9	.1	.6
Communication, electric, gas services	5.2	5.2	5.8	.0	-.6
Wholesale Trade	20.4	20.3	19.7	.1	.7
Wholesale trade-durable goods	13.8	13.7	13.6	.1	.2
Retail Trade	82.6	81.9	80.2	.7	2.5
General merchandise stores	11.6	11.6	11.6	.0	.0
Finance, Insurance, and Real Estate	18.6	18.3	18.3	.2	.3
Banking	4.2	4.2	4.2	.0	.1
Credit agencies other than banks	4.8	4.8	4.9	.1	.0
Insurance carriers	3.1	3.1	3.0	.0	.0
Services	111.8	110.5	106.4	1.2	5.4
Business services	28.0	27.6	25.7	.4	2.3
Health services	38.0	37.8	36.6	.1	1.3
Hospitals	19.6	19.6	19.0	.0	.6
Educational services	6.7	7.0	6.7	-.3	.0
Government	74.3	76.4	72.5	-2.0	1.9
Federal government	28.7	28.6	27.3	.0	1.4
State government	7.3	7.3	7.3	.1	.0
State government education ^h	4.3	4.4	4.4	.0	.0
State government, except education	3.0	2.9	3.0	.1	.0
Local government	38.4	40.5	37.8	-2.1	.5
Local government education	22.7	25.2	22.7	-2.5	.0
Local government, except education	15.7	15.3	15.2	.4	.5

Dayton-Springfield MSA

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$560.73	\$555.56	\$559.24	43.4	43.1	44.0	\$12.92	\$12.89	\$12.71
Durable Goods ^e	574.22	567.67	569.70	43.8	43.4	44.3	13.11	13.08	12.86
Fabricated metal products	422.14	413.88	398.27	43.7	42.8	42.1	9.66	9.67	9.46
Machinery, except electrical	630.15	614.10	608.85	45.4	44.5	45.1	13.88	13.80	13.50
Metalworking machinery	607.06	582.65	564.10	47.8	46.5	46.2	12.70	12.53	12.21
General industrial machinery	526.68	512.57	452.62	46.2	45.2	42.7	11.40	11.34	10.60
Electric and electronic equipment	442.83	438.18	451.00	43.5	43.6	44.0	10.18	10.05	10.25
Electrical industrial apparatus	544.66	545.83	541.70	45.2	45.6	46.9	12.05	11.97	11.55
Transportation equipment	688.08	695.41	716.87	42.5	42.9	45.4	16.19	16.21	15.79
Nondurable Goods ^f	523.64	517.83	528.84	42.4	42.1	43.1	12.35	12.30	12.27
Food and kindred products	352.64	360.29	338.96	41.1	41.7	40.4	8.58	8.64	8.39
Paper and allied products	494.12	480.31	540.76	44.0	43.0	46.9	11.23	11.17	11.53
Printing and publishing	476.08	469.68	456.27	40.9	40.7	40.2	11.64	11.54	11.35
Rubber and misc. plastics products	710.53	704.60	696.00	42.7	42.6	43.5	16.64	16.54	16.00
Transportation and Public Utilities									
Communication, electric, gas services	582.50	563.70	537.74	41.4	40.7	40.1	14.07	13.85	13.41
Wholesale Trade	396.70	401.88	411.46	39.2	39.4	40.3	10.12	10.20	10.21
Retail Trade ^h	173.20	171.17	163.02	28.3	28.2	28.5	6.12	6.07	5.72
Services									
Health services									
Hospitals	368.49	368.83	367.05	33.9	33.9	34.4	10.87	10.88	10.67

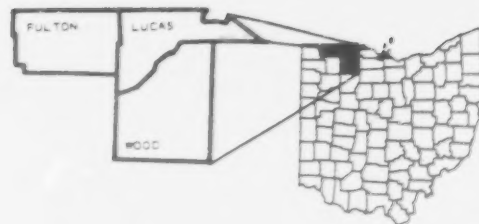
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

**Selected Administrative
Program Activities**

Dayton-Springfield MSA

	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	2,086	2,275	2,336
Active File of Job Seekers	11,564	12,387	16,724
Referrals to Jobs	1,735	1,403	1,576
Placements	435	291	328
Job Openings Received	886	980	1,263
Job Openings Unfilled	1,736	2,106	1,762
Unemployment Insurance Program			
Initial Claims	2,445	2,652	2,557
Continued Claims	20,002	24,614	20,240
First Payments	1,067	1,012	1,067
Last Payments	506	408	440
Weeks Compensated	19,083	19,692	17,632
Benefits Paid	\$2,746,803	\$2,875,625	\$2,500,589
Average Weekly Payment	\$149.09	\$152.23	\$144.82

TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Toledo metropolitan area totaled 294,300 in June 1989, down 900 from the May level. Seasonal layoffs of nonteaching personnel in state and local schools and colleges outweighed expansion in services, retail trade, and construction. The manufacturing workforce, at 62,000, increased 600 over the month. Modest improvements were noted in stone, clay, and glass products, transportation equipment, and food and kindred products. Factory production workers averaged \$13.24 per hour, down \$.08 from May. Their average workweek of 43.2 hours was .7 hours shorter.

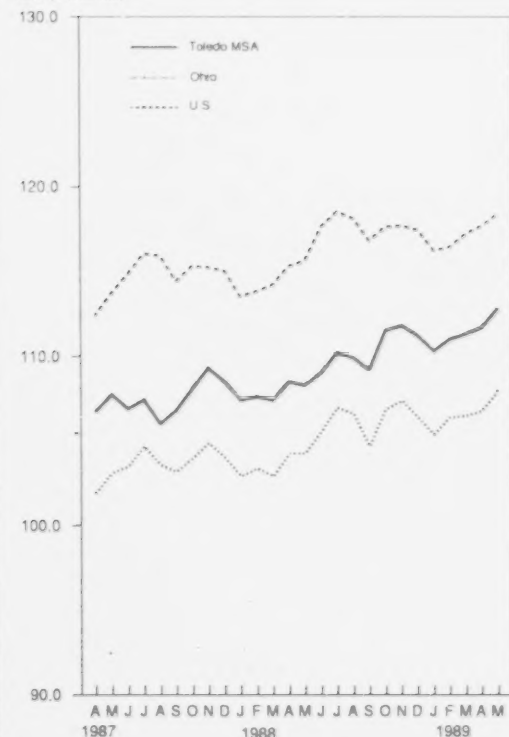
Total nonfarm wage and salary employment advanced 8,800 between June 1988 and June 1989. The growth was concentrated in the nonmanufacturing sector with noteworthy expansion in services, especially business services, retail trade, construction, and government. Manufacturing employment declined 1,500 during the period. Moderate reductions occurred in transportation equipment, fabricated metal products, stone, clay, and glass products, and primary metal industries.

Indexes of Total Employment

Toledo MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

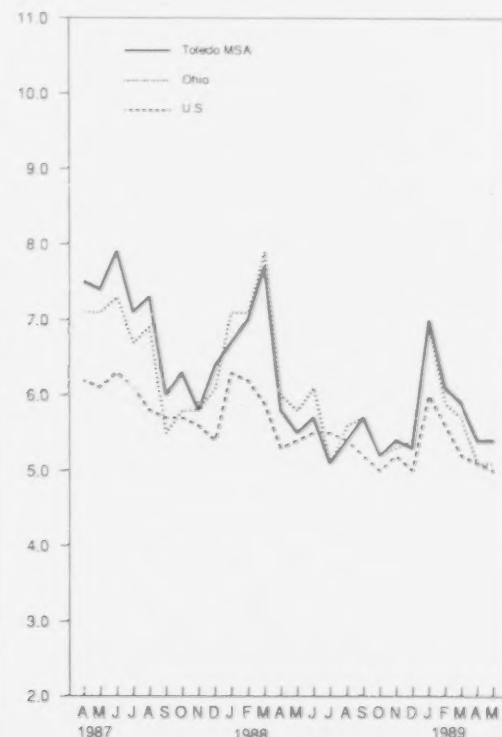


Unemployment Rates

Toledo MSA, Ohio and U.S.

[Not Seasonally Adjusted]

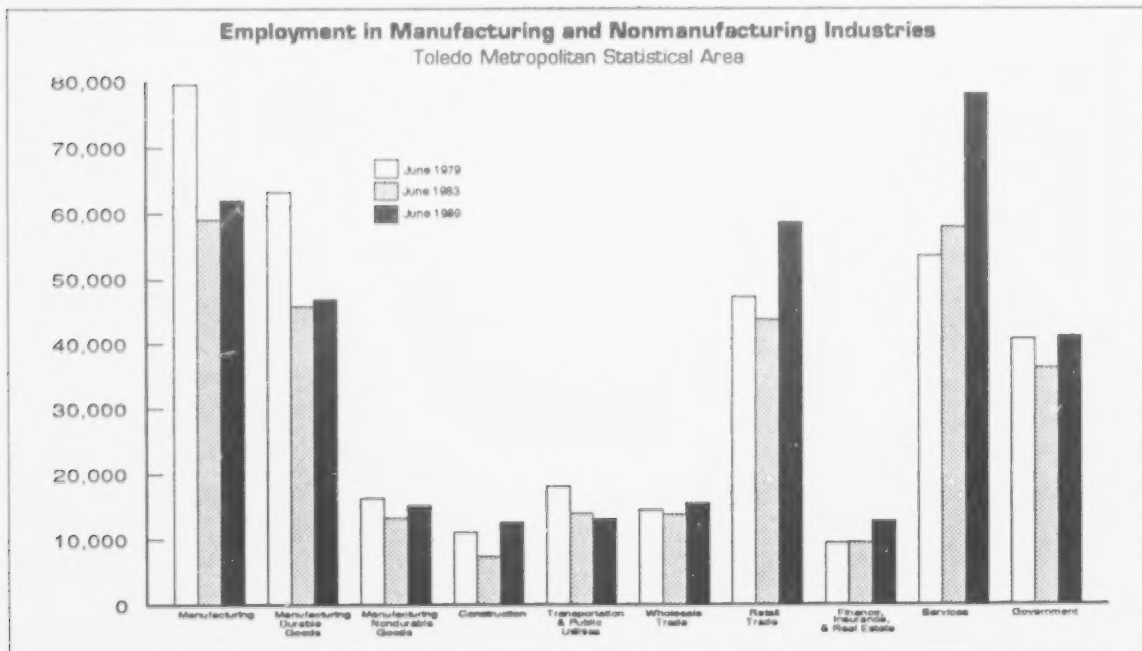
Percent



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed						Manufacturing Employment			
		Total	Rate							Manufacturing Production Workers	
										Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA		1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA	
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA	
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA	
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA	
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA	
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63	
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29	
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43	
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72	
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12	
				1988							
306.4	289.5	16.9	5.5	May	285.0	62.1	44.5	552.90	42.4	13.04	
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17	
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92	
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94	
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15	
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19	
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43	
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30	
				1989							
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22	
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39	
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41	
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09	
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32	
INA	INA	INA	INA	June	294.3	62.0	44.4	571.97	43.2	13.24	

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	294.3	295.2	285.5	-.9	8.8
Manufacturing	62.0	61.4	63.5	.6	-1.5
Durable Goods ^e	46.9	46.6	48.2	.3	-1.3
Stone, clay, and glass products	7.6	7.5	7.8	.1	-.3
Primary metal industries	3.3	3.3	3.6	.0	-.3
Fabricated metal products	7.2	7.2	7.6	.0	-.4
Metal forgings and stampings	2.9	3.0	3.3	.0	-.3
Machinery, except electrical	6.1	6.0	5.9	.0	.1
Electric and electronic equipment	2.1	2.1	2.3	.0	-.2
Transportation equipment	15.6	15.5	16.0	.1	-.5
Motor vehicles and equipment	14.7	14.6	15.1	.1	-.4
Nondurable Goods ^f	15.1	14.8	15.3	.3	-.2
Food and kindred products	4.1	4.0	4.0	.1	.1
Rubber and misc. plastics products	3.5	3.5	3.6	.0	-.1
Nonmanufacturing^g	232.2	233.8	222.0	-1.6	10.3
Construction	12.6	12.2	11.0	.5	1.7
Transportation and Public Utilities	13.1	13.1	13.1	.0	.0
Trucking and warehousing	5.4	5.4	5.3	.0	.1
Communication, electric, gas services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.5	15.4	15.0	.1	.5
Wholesale trade-durable goods	10.3	10.2	10.0	.1	.4
Retail Trade	58.7	58.1	55.8	.6	2.9
General merchandise stores	8.6	8.6	8.0	.0	.6
Finance, Insurance, and Real Estate	12.7	12.7	12.3	.1	.4
Banking	3.8	3.8	3.7	.0	.1
Services	78.1	77.2	74.4	.9	3.7
Business services	17.0	16.6	15.2	.4	1.8
Health services	27.7	27.5	27.1	.2	.6
Hospitals	15.2	15.1	15.1	.1	.1
Government	41.2	45.0	40.0	-3.8	1.2
State government	13.5	16.7	13.1	-3.3	.4
State government education ^h	9.2	12.5	8.9	-3.4	.3
State government, except education	4.3	4.2	4.1	.1	.2
Local government	25.1	25.6	24.3	-.5	.7
Local government education	14.2	15.0	13.7	-.8	.5
Local government, except education	10.9	10.6	10.6	.3	.2

Hours and Earnings of Production or Nonsupervisory Workers^a

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$571.97	\$584.75	\$571.58	43.2	43.9	43.4	\$13.24	\$13.32	\$13.17
Durable Goods ^e	588.45	606.02	598.75	43.3	44.3	43.8	13.59	13.68	13.67
Stone, clay, and glass products	512.62	526.25	494.86	39.8	40.7	39.4	12.88	12.93	12.56
Primary metal industries	483.66	477.22	520.98	43.3	42.8	45.5	11.17	11.15	11.45
Fabricated metal products	476.58	484.78	547.71	42.4	43.4	43.4	11.24	11.17	12.62
Metal forgings and stampings	630.27	619.48	694.93	42.3	41.8	45.9	14.90	14.82	15.14
Machinery, except electrical	495.04	517.10	508.13	41.6	43.2	42.7	11.90	11.97	11.90
Electric and electronic equipment	556.37	539.75	471.17	43.5	42.5	40.9	12.79	12.70	11.52
Transportation equipment	772.01	804.94	784.56	45.6	47.1	46.7	16.93	17.09	16.80
Motor vehicles and equipment	778.27	811.37	795.42	45.7	47.2	46.9	17.03	17.19	16.96
Nondurable Goods ^f	518.58	515.31	474.47	43.0	42.8	42.1	12.06	12.04	11.27
Food and kindred products	642.46	619.52	548.27	45.5	44.0	42.7	14.12	14.08	12.84
Rubber and misc. plastics products	378.88	388.06	359.97	43.3	43.7	42.6	8.75	8.88	8.45
Transportation and Public Utilities	589.56	576.47	601.13	40.8	40.2	41.4	14.45	14.34	14.52
Communication, electric, gas services	589.56	576.47	601.13	40.8	40.2	41.4	14.45	14.34	14.52
Wholesale Trade	406.53	406.18	377.71	39.7	39.9	38.7	10.24	10.18	9.76
Retail Trade ^h	158.89	156.64	160.15	27.3	27.1	28.7	5.82	5.78	5.58

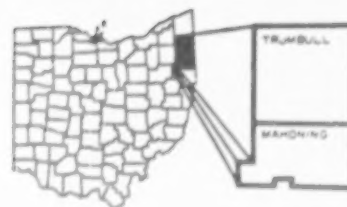
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

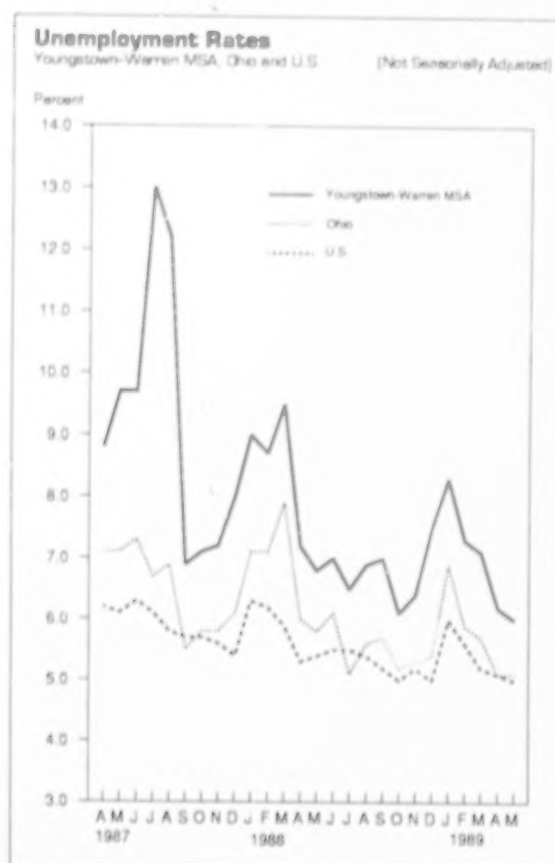
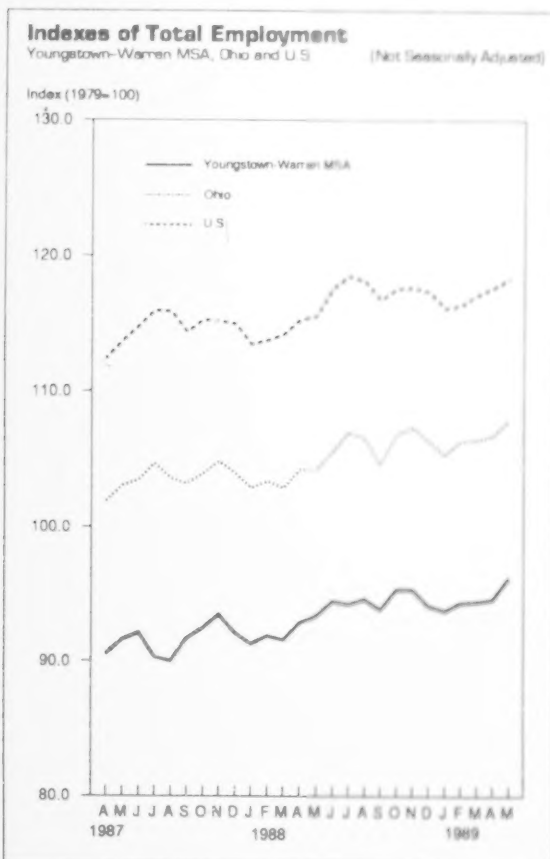
	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	1,487	1,858	2,447
Active File of Job Seekers	16,040	16,577	18,549
Referrals to Jobs	894	1,312	1,814
Placements	189	383	341
Job Openings Received	649	660	826
Job Openings Unfilled	1,086	938	1,266
Unemployment Insurance Program			
Initial Claims	3,043	2,898	2,396
Continued Claims	16,990	20,078	16,969
First Payments	1,047	854	1,135
Last Payments	372	310	330
Weeks Compensated	15,984	16,248	14,572
Benefits Paid	\$2,447,696	\$2,585,482	\$2,132,368
Average Weekly Payment	\$159.22	\$166.70	\$149.97

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



In the Youngstown-Warren metropolitan area, total nonfarm payroll employment rose 500 above the May level to 200,500 in June 1989. Modest gains in construction, services, retail trade, and wholesale trade outweighed seasonal layoffs of nonteaching personnel in local schools and colleges. Manufacturing employment, at 50,200, increased 100 over the month as more business in transportation equipment offset declines in primary metal industries and fabricated metal products. Factory production worker average hourly earnings of \$13.92 were \$.08 higher than May. Their average workweek was .8 hours shorter, at 42.6 hours.

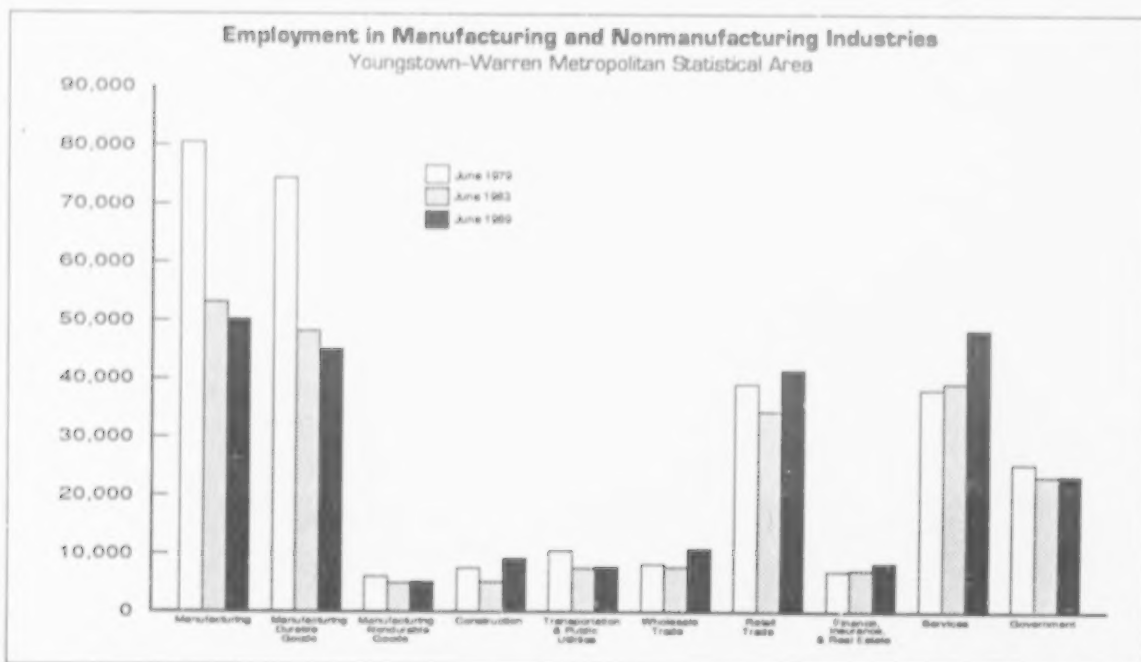
Nonagricultural wage and salary employment advanced 3,600 between June 1988 and June 1989. The growth was concentrated in the nonmanufacturing sector. Noteworthy expansion occurred in services, retail trade, and construction. The manufacturing workforce decreased 900 during the period with reductions in primary metal industries, especially blast furnace and basic steel products, and fabricated metal products. Marginal gains were recorded in transportation equipment and nonelectrical machinery.



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment					
		Total	Rate		Manufacturing Production Workers					
					Hours & Earnings					
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
220.2	205.3	15.0	6.8	May	195.6	50.7	38.8	593.45	43.7	13.58
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
225.3	211.7	13.6	6.0	May	200.0	50.1	38.1	600.66	43.4	13.84
INA	INA	INA	INA	June	200.5	50.2	38.2	592.99	42.6	13.92

INA - information not available



**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	June 1989 ^b	May 1989 ^c	June 1988 ^c	From Last Month	From Last Year
Total	200.5	200.0	196.9	.5	3.6
Manufacturing	50.2	50.1	51.1	.1	-.9
Durable Goods ^e	45.0	45.0	45.8	.0	-.8
Primary metal industries	18.4	18.5	19.3	-.1	-.9
Blast furnace and basic steel products	5.6	5.4	5.9	.2	-.3
Fabricated metal products	7.4	7.5	7.6	-.1	-.2
Machinery, except electrical	3.9	3.9	3.7	.0	.1
Electric and electronic equipment	2.2	2.2	2.3	.0	-.1
Transportation equipment	9.8	9.6	9.6	.2	.2
Nondurable Goods ^f	5.2	5.1	5.2	.0	-.1
Nonmanufacturing ^g	150.3	149.9	145.8	.4	4.5
Construction	9.1	8.5	8.2	.6	.9
Transportation and Public Utilities	7.8	7.8	7.6	.0	.2
Communication, electric, gas services	2.8	2.8	2.9	.0	-.2
Wholesale Trade	10.8	10.6	10.3	.2	.5
Wholesale trade-durable goods	6.9	6.9	6.6	.1	.3
Retail Trade	41.6	41.2	40.0	.3	1.6
General merchandise stores	5.0	5.0	5.1	-.1	-.1
Finance, Insurance, and Real Estate	8.4	8.3	8.4	.1	.0
Banking	2.8	2.8	2.8	.0	.0
Services	48.4	47.9	46.1	.5	2.3
Health services	20.9	20.8	20.5	.1	.4
Hospitals	10.7	10.7	10.7	.0	.1
Government	23.5	24.9	24.4	-1.4	-.9
State government	4.6	4.6	4.5	.0	.1
State government education ^h	3.1	3.1	3.0	.0	.1
State government, except education	1.6	1.5	1.5	.1	.0
Local government	16.7	18.1	17.9	-1.4	-1.1
Local government education	10.3	11.8	11.5	-1.5	-1.2
Local government, except education	6.5	6.4	6.4	.1	.1

Youngstown-Warren MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c	Jun. 1989 ^b	May 1989 ^c	Jun. 1988 ^c
Manufacturing	\$592.99	\$600.66	\$582.08	42.6	43.4	42.8	\$13.92	\$13.84	\$13.60
Durable Goods ^e	606.90	616.17	594.59	42.8	43.7	42.9	14.18	14.10	13.86
Primary metal industries	667.01	645.82	655.77	43.2	42.6	43.4	15.44	15.16	15.11
Blast furnace and basic steel products	648.67	614.71	627.91	46.6	45.1	45.6	13.92	13.63	13.77
Fabricated metal products	623.34	618.32	590.92	45.8	45.7	44.0	13.61	13.53	13.43
Machinery, except electrical	506.97	504.71	464.84	43.0	42.7	41.1	11.79	11.82	11.31
Electric and electronic equipment	458.05	465.41	453.61	39.9	40.4	41.2	11.48	11.52	11.01
Transportation equipment	620.43	693.68	620.00	41.5	46.0	42.7	14.95	15.08	14.52
Nondurable Goods ^f	436.05	428.67	441.74	40.3	40.1	41.4	10.82	10.69	10.67
Transportation and Public Utilities	582.01	566.21	540.54	40.7	40.1	39.6	14.30	14.12	13.65
Communication, electric, gas services									
Wholesale Trade	368.45	361.38	355.89	38.3	38.0	38.6	9.62	9.51	9.22
Retail Trade ^h	183.33	185.66	178.48	28.6	29.1	29.5	6.41	6.38	6.05

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	June 1989	May 1989	June 1988
Employment Service Program			
New Applicants	2,684	3,447	2,114
Active File of Job Seekers	20,001	19,696	16,441
Referrals to Jobs	1,243	1,674	1,432
Placements	288	508	468
Job Openings Received	455	515	809
Job Openings Unfilled	933	963	1,031
Unemployment Insurance Program			
Initial Claims	3,854	2,738	2,639
Continued Claims	15,255	17,604	15,220
First Payments	939	988	826
Last Payments	242	274	316
Weeks Compensated	13,966	14,823	13,241
Benefits Paid	\$2,020,153	\$2,158,124	\$1,821,379
Average Weekly Payment	\$149.50	\$149.12	\$140.54

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	2
Manufacturing	57	3
Nonmanufacturing	38	2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	3
Wholesale Trade	22	4
Retail Trade	21	4
Finance, Insurance, and Real Estate	43	3
Services	34	3
Government	71	2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	June 1989	May 1989	June 1988
New Applicants	34,620	37,610	40,409
Active File of Job Seekers	242,715	253,047	270,609
Counseling Interviews	628	848	1,410
Tests Administered	1,684	1,665	3,678
General Aptitude Tests	190	65	168
Proficiency Tests	270	255	460
Specific Aptitude Tests	137	361	1,202
Referrals to Jobs	24,866	25,003	32,914
Placements	5,741	5,429	7,524
Job Openings Received	12,381	11,846	15,074
Job Openings Unfilled	20,920	22,812	24,256

Selected Unemployment Insurance Activities

	Ohio		
	June 1989	May 1989	June 1988
Initial Claims	45,358	44,273	40,272
Continued Claims	302,036	360,016	337,024
First Payments	17,178	16,486	16,903
Last Payments	6,522	5,879	6,670
Average Weekly Claimants	71,428	75,764	75,512
Average Weekly Benefit Recipients	61,029	67,680	61,190
Weeks Compensated	283,746	285,947	287,269
Benefits Paid	\$43,220,041	\$44,342,459	\$42,729,975
Average Weekly Payment	\$158.00	\$160.66	\$152.24
Continued Claims for Survey Week	70,714	76,327	73,153
Insured Unemployment Rate	1.6	1.7	1.7
Net Contributions	\$5,928,093	\$349,578,476	\$3,436,258
Active Employer Accounts	203,748	203,010	200,060

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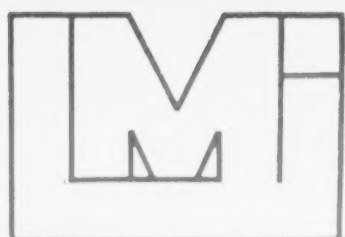
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio Labor Market Information

Labor Market Review

1988 Annual Summary

Summary. In 1988, 100,400 jobs were added to Ohio nonagricultural wage and salary payrolls. The growth rate, at 2.2 percent this year, was 2 percent below the 1987 growth rate. The construction industry reported the greatest rate of increase, although the largest absolute gains occurred in services and retail trade—36,600 and 28,200, respectively. Manufacturing employment rose .4 percent over the year, with improvements in both durable and nondurable goods. Annual average employment in durable goods increased for the first time in four years, as gains in primary metals, nonelectrical machinery, and lumber and wood products more than offset losses in transportation equipment and rubber products. In nondurable goods, increases were reported in chemicals and printing and publishing; losses were reported in the manufacture of rubber products. (See page 4, top.)

Nearly two thirds of the expansion in Ohio jobs during the post-recessionary period, 1983 to 1988, has occurred in services and retail trade. The table, below, shows the structural shift from the production of goods to the rendering of services in the Ohio and U.S. economies. Slight improvements in manufacturing during 1988 failed to change this pattern. Employment shares in services, retail trade, and finance, insurance, and real estate expanded during the 1979-1983 recession, and have continued to expand through 1988. In manufacturing, transportation and public utilities, and government, however, employment shares have continued to drop off since 1979.

Percent of Employment in Nonagricultural Divisions
Ohio and U.S., 1979, 1983, and 1988

Industry	Ohio			U.S.		
	1979	1983	1988	1979	1983	1988
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0
Goods Producing	35.6	29.9	27.9	29.5	25.9	24.1
Mining	.7	.7	.4	1.1	1.1	.7
Construction	4.1	3.2	3.9	5.0	4.4	5.0
Manufacturing	30.8	26.0	23.6	23.4	20.4	18.4
Service Producing	64.4	70.1	72.1	70.5	74.1	75.9
Transportation and Public Utilities	5.2	4.9	4.5	5.7	5.5	5.3
Wholesale Trade	5.2	5.4	5.4	5.8	5.8	5.8
Retail Trade	16.5	17.4	18.7	16.7	17.3	18.1
Finance, Insurance and Real Estate	4.5	5.1	5.3	5.5	6.1	6.3
Services	18.0	21.3	23.2	19.1	21.8	24.0
Government	15.0	16.0	14.9	17.8	17.6	16.4

Labor Force. According to the household survey, Ohio's civilian labor force reached a new all-time high in 1988—5,328,000—up 1.4 percent from 1987. (See table, page 2.)

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Total Employment. Annual average total employment in the State rose to 5,008,000 in 1988, an increase of 121,000 or 2.5 percent over the previous year. U.S. employment advanced 2.2 percent over the year.

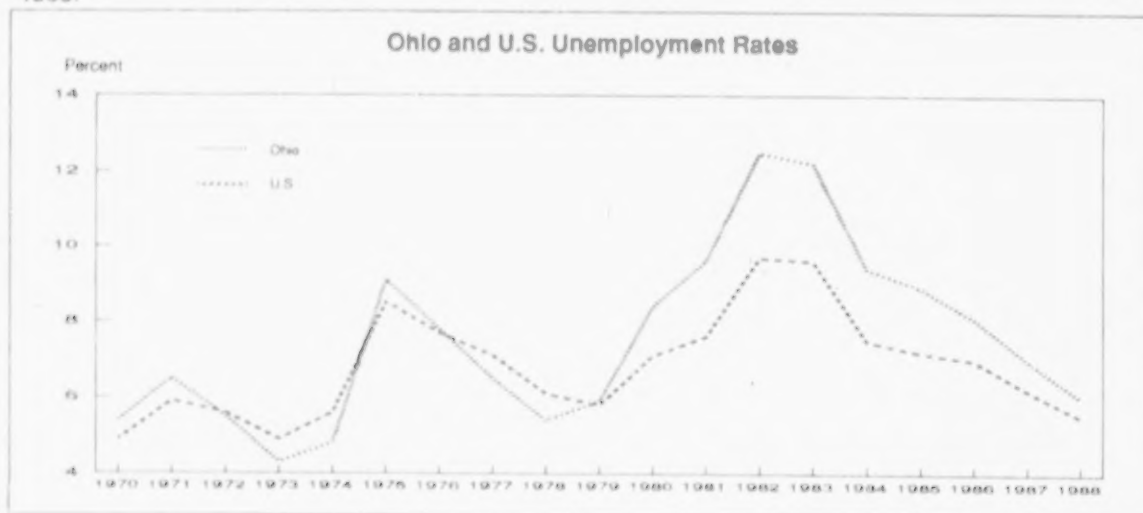
**Civilian Labor Force Estimates for Ohio and the U.S.
(Employed and Unemployed in Thousands)**

Ohio				Year	United States			
Civilian Labor Force		Employment			Civilian Labor Force		Employment	
		Total	Rate				Total	Rate
4 710	4 485	225	4.8	1974	91 949	86 794	5 156	5.6
4 723	4 294	429	9.1	1975	93 775	85 846	7 929	8.5
4 751	4 380	370	7.8	1976	96 158	88 752	7 406	7.7
4 833	4 520	312	6.5	1977	99 009	92 017	6 991	7.1
4 959	4 690	268	5.4	1978	102 251	96 048	6 202	6.1
5 059	4 760	299	5.9	1979	104 962	98 824	6 137	5.8
5 089	4 663	426	8.4	1980	106 340	99 303	7 037	7.1
5 100	4 608	492	9.6	1981	108 670	100 397	8 273	7.6
5 114	4 474	640	12.5	1982	110 204	99 526	10 678	9.7
5 099	4 478	621	12.2	1983	111 550	100 834	10 717	9.6
5 089	4 609	480	9.4	1984	113 544	105 005	8 539	7.5
5 135	4 680	455	8.9	1985	115 461	107 150	8 312	7.2
5 232	4 806	425	8.1	1986	117 834	109 597	8 237	7.0
5 254	4 887	367	7.0	1987	119 865	112 440	7 425	6.2
5 328	5 008	320	6.0	1988	121 669	114 968	6 701	5.5

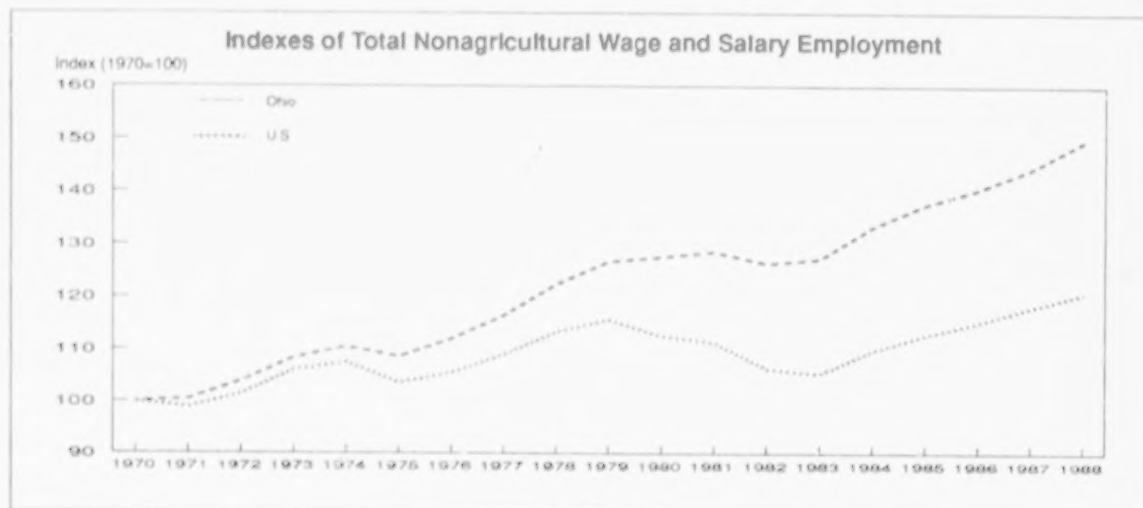
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Unemployment. The number of people unemployed in Ohio averaged 320,000 in 1988, down from 367,000 in 1987. The unemployment rate, at 6.0 percent, the lowest annual average rate since 1979, was down from 7.0 percent in 1987. In the U.S., the rate dropped from 6.2 percent in 1987 to 5.5 percent in 1988.



Nonagricultural Wage and Salary Employment. Nonfarm payroll employment averaged 4,683,000 in 1988, 100,400 jobs and 2.2 percent above the level for 1987 and 198,000 jobs above the prerecession high in 1979. Expansion in services and retail trade contributed most to the improvement, although employment increased in all major industry divisions with the exception of mining. In durable-goods manufacturing, noteworthy increases in primary metals and nonelectrical machinery were nearly offset by a decline in transportation equipment. Among producers of nondurable goods, employment rose in chemicals and allied products and printing and publishing but declined in rubber and miscellaneous plastics products and food and kindred products. (See table, page 4, top.)



Growth Industries. This year, business services led all Ohio industries in rate of growth—5.8 percent. (See table, page 4, bottom.) Food stores, transportation, except railroads, special trade contractors, and primary metal industries also reported significant expansion in 1988. Wholesale trade-durable goods, local

Ohio Employment Changes, 1987-1988

Industry	1988 Employment (In thousands)	Employment Change 1987-1988	Percent Change 1987-1988
TOTAL	4,683.0	100.4	2.2
Manufacturing	1,103.1	4.3	.4
Durable Goods	743.6	3.1	.4
Nondurable Goods	359.6	1.2	.3
Nonmanufacturing	3,579.8	96.1	2.8
Mining	19.5	-1.4	-6.9
Construction	183.6	7.1	4.0
Transportation and Public Utilities	211.5	3.7	1.8
Wholesale Trade	254.3	6.3	2.6
Retail Trade	876.5	28.2	3.3
Finance, Insurance, and Real Estate	249.8	6.1	2.5
Services	1,067.8	36.6	3.5
Government	696.8	9.5	1.4

Employment Gains and Losses Ohio and U.S., 1987-1988

Growing and Declining Industries	1988 Ohio Employment (In thous.)	1987-1988 Percent Change	
		Ohio	U.S.
Most Rapidly Growing Industries			
Business Services	222.3	5.8	5.9
Food Stores	139.3	5.3	4.4
Transportation, Except Railroads	109.7	5.1	NA
Special Trade Contractors	113.6	4.5	NA
Primary Metal Industries	99.9*	4.3	4.4
Wholesale Trade-Durable Goods	161.2	3.2	6.3
Local Government, Except Education	130.6*	3.0	NA
Health Services	370.3	2.8	5.9
Nonelectrical Machinery	158.7*	2.2	5.7
Eating and Drinking Places	300.0	1.2	3.8
Declining Industries			
Bituminous Coal and Lignite Mining	8.0*	-12.7	NA
Railroad Transportation	13.2*	-5.3	NA
Oil and Gas Extraction	6.7*	-5.1	2.9
Transportation Equipment	141.8*	-4.8	-.3
Communications	46.8*	-1.5	NA
Rubber and Misc. Plastics Products	90.8*	-1.2	6.0
Stone, Clay, and Glassware	47.8*	-1.2	.8
Food and Kindred Products	62.5*	-1.0	1.3
Electric, Gas, Sanitary Services	41.8	-.6	NA
Electric and Electronic Equipment	86.3*	-.5	1.8
Total, All Industries	4,683.0	2.2	3.6
Manufacturing	1,103.1*	.4	2.5
Nonmanufacturing	3,579.8	2.8	3.9

*1988 employment is below 1979 level.

government, health services, nonelectrical machinery, and eating and drinking places rounded out the list of industries contributing most to the growth in the number of jobs in Ohio in 1988.

Declining Industries. Bituminous coal and lignite mining, railroad transportation, oil and gas extraction, and transportation equipment headed the list of declining industries in the State. Communications, rubber and miscellaneous plastics products, stone, clay, and glassware, and food and kindred products also had notable declines.

**Ohio Employment Changes and Recovery Rates
By Selected Industry
Annual Averages for 1979, 1983, and 1988**

Industry	Employment (thous.)			Changes		Percent Recovery	
	Peak 1979	Trough 1983	Current 1988	79-83	83-88	Ohio	U.S.
TOTAL	4,485	4,093	4,683	-392	590	150.5	+
Manufacturing	1,382	1,066	1,103	-316	37	11.7	42.4
Durable Goods	981	724	744	-257	20	7.8	38.8
Nondurable Goods	402	342	360	-60	18	30.0	55.4
Nonmanufacturing	3,103	3,027	3,580	-76	553	727.6	+
Mining	32	27	19	-5	-8	-	-
Construction	183	131	184	-52	53	101.9	261.0
Transportation and Public Utilities	232	199	212	-33	13	39.4	344.5
Wholesale Trade	233	223	254	-10	31	310.0	+
Retail Trade	742	711	876	-31	165	532.3	+
Finance, Insurance, and Real Estate	201	208	250	7	42	+	+
Services	806	873	1,088	67	215	+	+
Government	674	656	697	-18	41	227.8	1,948.7

+ No downturn, 1979-1983.

- No upturn, 1983-1988

Losses and Recovery. Ohio has had a net increase of 590,000 jobs during the period since the last recession, 1979-1983. More than 150% of the jobs lost during that period have now been recovered. (See table, above.) All major nonagricultural wage and salary employment divisions, with the exceptions of services and finance, insurance, and real estate, had major losses between 1979 and 1983. The mining industry has continued to lose jobs during the post-recessionary period, 1983-1988. In Ohio, 11.7 percent of lost jobs in manufacturing have been recovered; 42.4 percent have been regained nationwide. Employment in transportation and public utilities is also still below the 1979 peak level in the State. Just 39.4 percent of lost jobs have been regained statewide in this industry, compared to 344.5 percent nationwide. Employment levels in the other major industries are now above their 1979 levels. Nearly 65 percent of the expansion occurred in services and retail trade. Noteworthy advances were also reported in construction, finance, insurance, and real estate, government, especially local government, and wholesale trade.

Conclusion. The economic recovery in Ohio continued in 1988, with greatest expansion reported in services and retail trade. Manufacturing employment rose fractionally this year, with improvements in both durable- and nondurable-goods industries. Unemployment dropped one percentage point in 1988, to the lowest level since 1979, and total employment climbed to a record level.

The Ohio Labor Force, 1988

Each month, the U.S. Bureau of the Census conducts a national household survey, the Current Population Survey (CPS); which the U.S. Bureau of Labor Statistics uses to measure the nation's employment and unemployment. Statewide labor force estimates for Ohio and ten other large states are derived directly from the CPS.

According to CPS data (see table below), the Ohio civilian labor force averaged 5,328,000 in 1988, comprising 5,008,000 employed and 320,000 unemployed. The unemployment rate was 6.0 percent, down from 7.0 percent in 1987.

For men, the unemployment rate was 6.3 percent, compared to 5.7 percent for women. Contrary to the norm in earlier years, men have had higher unemployment rates than women since 1980, when Ohio entered an extended period of economic recession. Industries with predominantly male work forces—mining, construction, manufacturing, and transportation and public utilities—were hard hit and, despite recent gains (except in mining), have not returned to pre-1980 employment levels. On the other hand, the two industries with the highest proportion of female employees—services and finance, insurance, and real estate—added workers even during the recessions of the early 1980's. Women comprised 44.3 percent of the labor force and 41.9 percent of the unemployed in 1988.

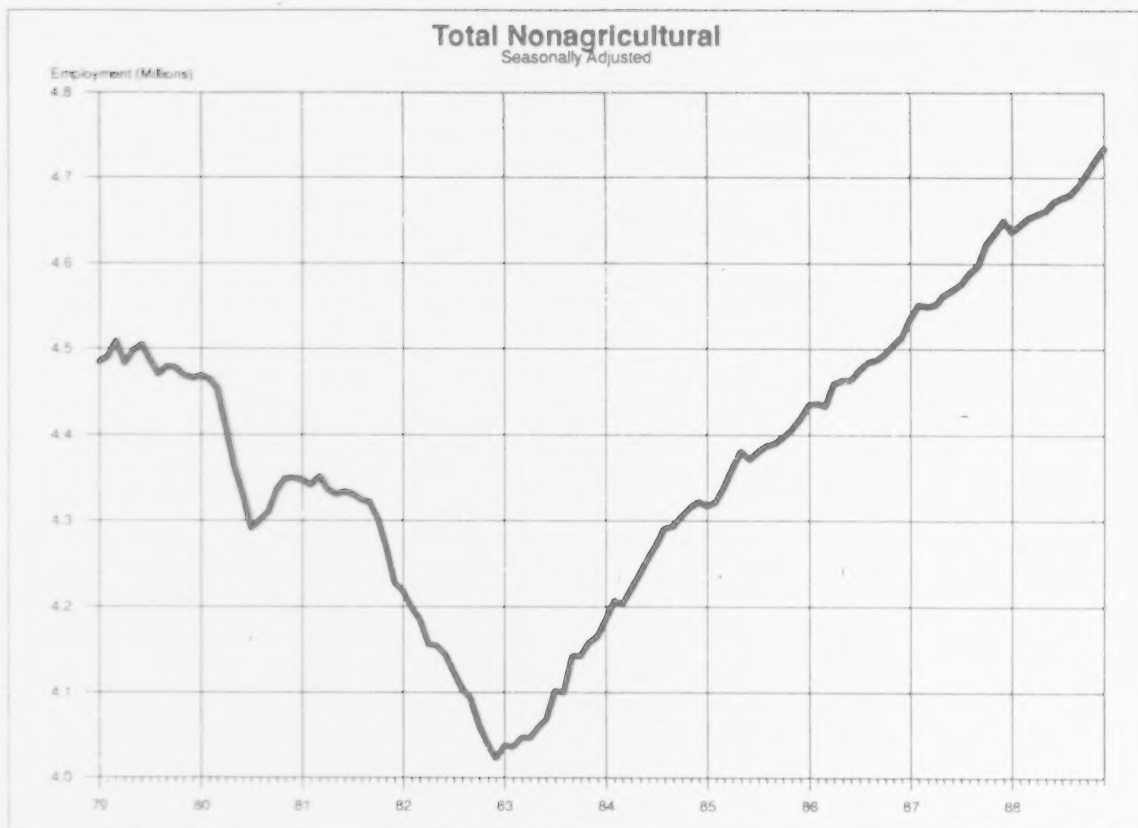
Unemployment rates were highest for young workers (16-24)—12.4 percent for men and 9.7 percent for women. For prime-age workers (25-54), the rates were 5.2 percent for men and 5.1 percent for women. Older workers (55 and over) had the lowest unemployment rates—3.1 percent for men and 2.3 percent for women.

In 1988, the nonwhite unemployment rate (13.3 percent) was more than double the rate for white workers (5.2 percent). The result was that while nonwhites made up 9.7 percent of the labor force, they constituted 21.6 percent of the unemployed. The nonwhite-to-white ratios for the two sexes differed very little in respect to unemployment rate. The rates were 14.1 percent for nonwhite men, 5.5 percent for white men, 12.9 percent for nonwhite women, and 4.8 percent for white women.

Sometime in the Fall of 1989, the Ohio Bureau of Employment Services will provide additional labor force information in its publication, *Ohio at Work: A Chartbook for 1988*.

Employment Status of the Civilian Labor Force
By Sex, Race, and Age Group, Ohio, 1988

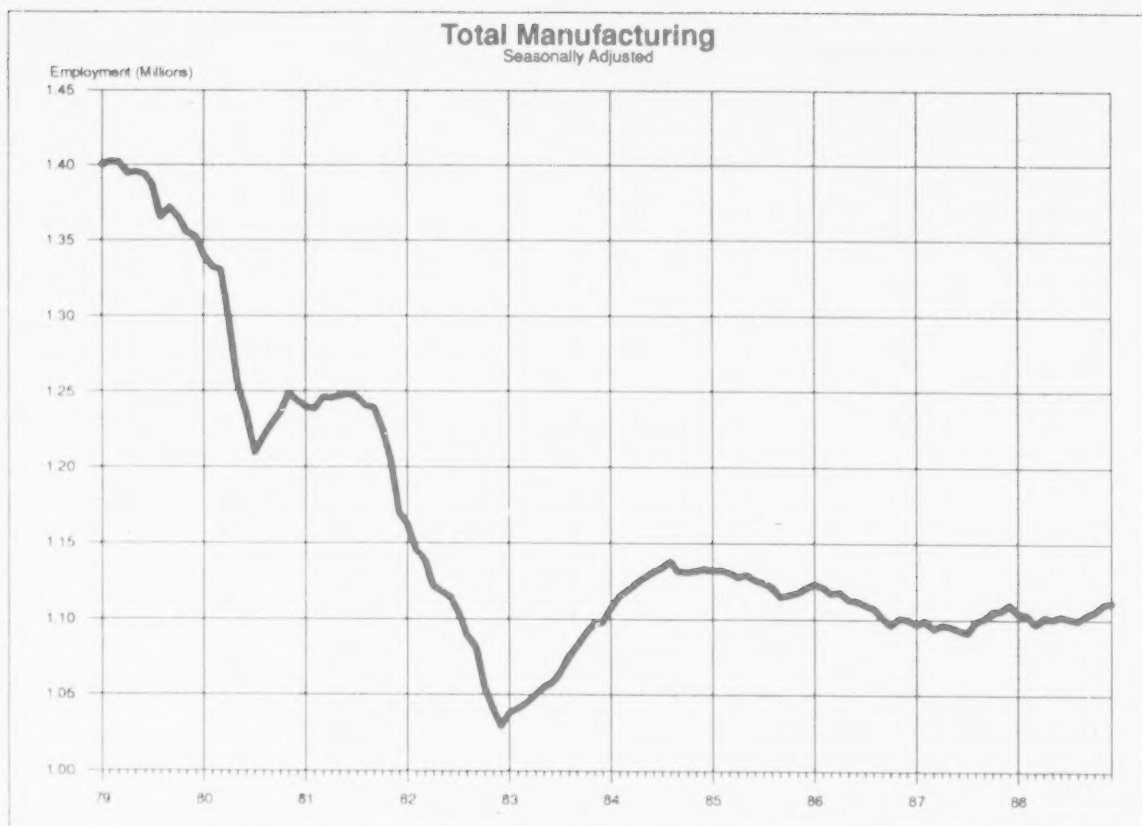
Characteristic	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
Total, age 16 and over	5,328,000	5,008,000	320,000	6.0
Men, total	2,969,000	2,783,000	186,000	6.3
Young Men (16-24)	541,000	474,000	67,000	12.4
Prime-Age Men (25-54)	2,046,000	1,939,000	106,000	5.2
Older Men (55 and over)	383,000	370,000	12,000	3.1
Women, total	2,359,000	2,225,000	134,000	5.7
Young Women (16-24)	495,000	447,000	48,000	9.7
Prime-Age Women (25-54)	1,600,000	1,520,000	81,000	5.1
Older Women (55 and over)	264,000	258,000	6,000	2.3
White, total	4,811,000	4,560,000	251,000	5.2
White Men	2,700,000	2,552,000	148,000	5.5
White Women	2,111,000	2,008,000	102,000	4.8
Nonwhite, total	517,000	448,000	69,000	13.3
Nonwhite Men	269,000	231,000	38,000	14.1
Nonwhite Women	248,000	217,000	32,000	12.9



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)
Seasonally Adjusted

Total Nonagricultural

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	4,484	4,490	4,508	4,484	4,497	4,505	4,486	4,470	4,479	4,478	4,469	4,466
1980	4,468	4,464	4,454	4,407	4,363	4,329	4,292	4,301	4,311	4,336	4,349	4,350
1981	4,347	4,342	4,351	4,336	4,330	4,334	4,330	4,325	4,322	4,302	4,270	4,228
1982	4,218	4,199	4,186	4,156	4,155	4,144	4,125	4,104	4,094	4,060	4,038	4,022
1983	4,037	4,037	4,047	4,047	4,058	4,068	4,101	4,100	4,143	4,142	4,158	4,165
1984	4,185	4,207	4,203	4,220	4,239	4,256	4,272	4,291	4,293	4,306	4,316	4,322
1985	4,317	4,322	4,339	4,360	4,380	4,371	4,380	4,387	4,390	4,397	4,406	4,418
1986	4,436	4,436	4,434	4,459	4,464	4,464	4,475	4,484	4,487	4,493	4,505	4,513
1987	4,535	4,551	4,549	4,552	4,563	4,568	4,576	4,588	4,597	4,621	4,634	4,650
1988	4,637	4,644	4,653	4,656	4,661	4,671	4,676	4,680	4,691	4,704	4,721	4,733



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)
Seasonally Adjusted

Total Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	1,400	1,403	1,402	1,395	1,396	1,394	1,387	1,366	1,372	1,366	1,356	1,353
1980	1,341	1,333	1,331	1,296	1,255	1,234	1,209	1,220	1,229	1,236	1,249	1,244
1981	1,240	1,238	1,246	1,246	1,247	1,249	1,246	1,241	1,239	1,225	1,204	1,170
1982	1,163	1,145	1,139	1,121	1,118	1,114	1,105	1,089	1,081	1,055	1,040	1,029
1983	1,038	1,041	1,044	1,049	1,055	1,058	1,064	1,075	1,082	1,091	1,097	1,098
1984	1,107	1,115	1,119	1,124	1,128	1,131	1,134	1,138	1,132	1,131	1,132	1,133
1985	1,132	1,132	1,130	1,128	1,130	1,126	1,124	1,121	1,115	1,116	1,118	1,121
1986	1,123	1,121	1,117	1,118	1,113	1,112	1,109	1,108	1,101	1,096	1,101	1,100
1987	1,096	1,099	1,094	1,096	1,096	1,093	1,091	1,098	1,101	1,105	1,106	1,110
1988	1,104	1,103	1,097	1,101	1,100	1,102	1,101	1,100	1,103	1,105	1,110	1,111



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)
Seasonally Adjusted

Durable Goods Manufacturing

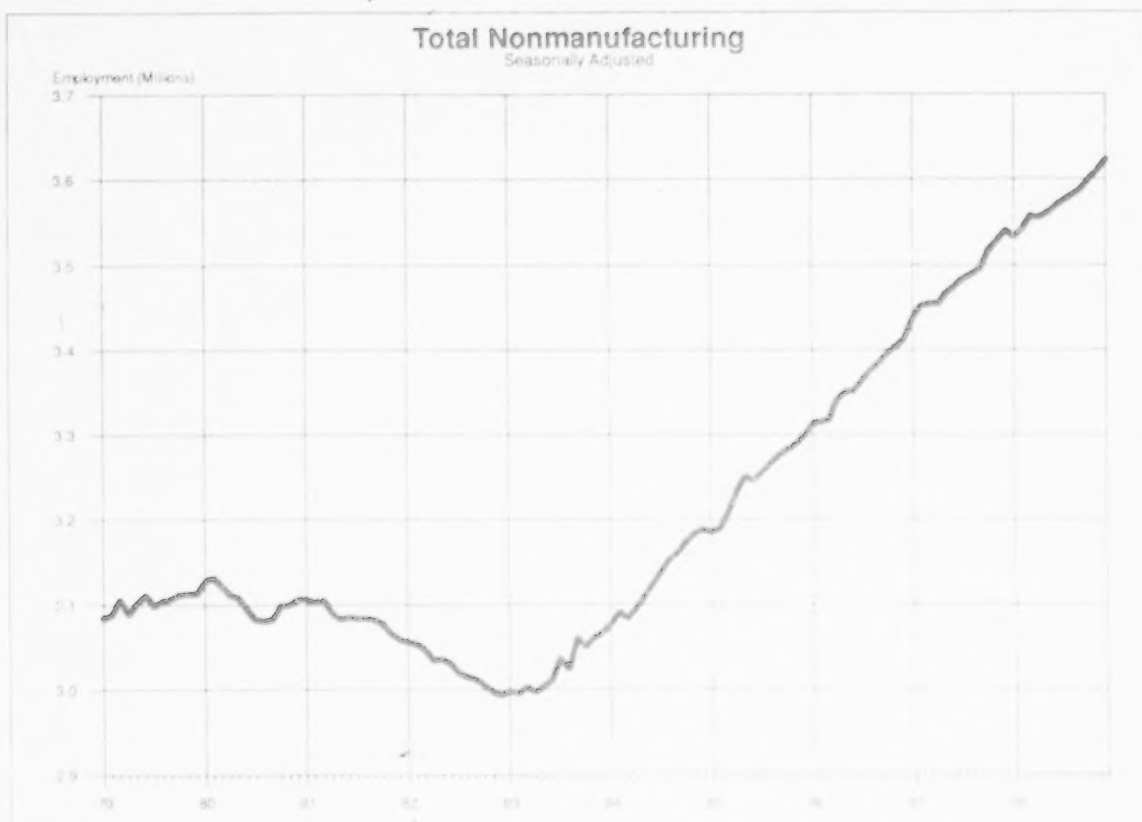
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	996	998	997	991	993	991	984	965	973	966	957	955
1980	944	938	939	907	871	857	838	847	854	860	872	867
1981	864	862	871	870	872	875	872	867	867	856	839	808
1982	807	791	786	770	767	765	757	742	736	715	701	691
1983	701	702	705	710	715	718	723	733	736	744	750	749
1984	757	765	767	771	774	777	780	783	777	776	777	778
1985	777	777	775	772	773	770	769	765	759	761	762	764
1986	766	764	760	761	756	755	752	751	744	739	743	743
1987	740	742	737	739	738	736	732	739	743	745	746	748
1988	744	743	737	742	742	742	742	741	743	746	750	750



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)
Seasonally Adjusted

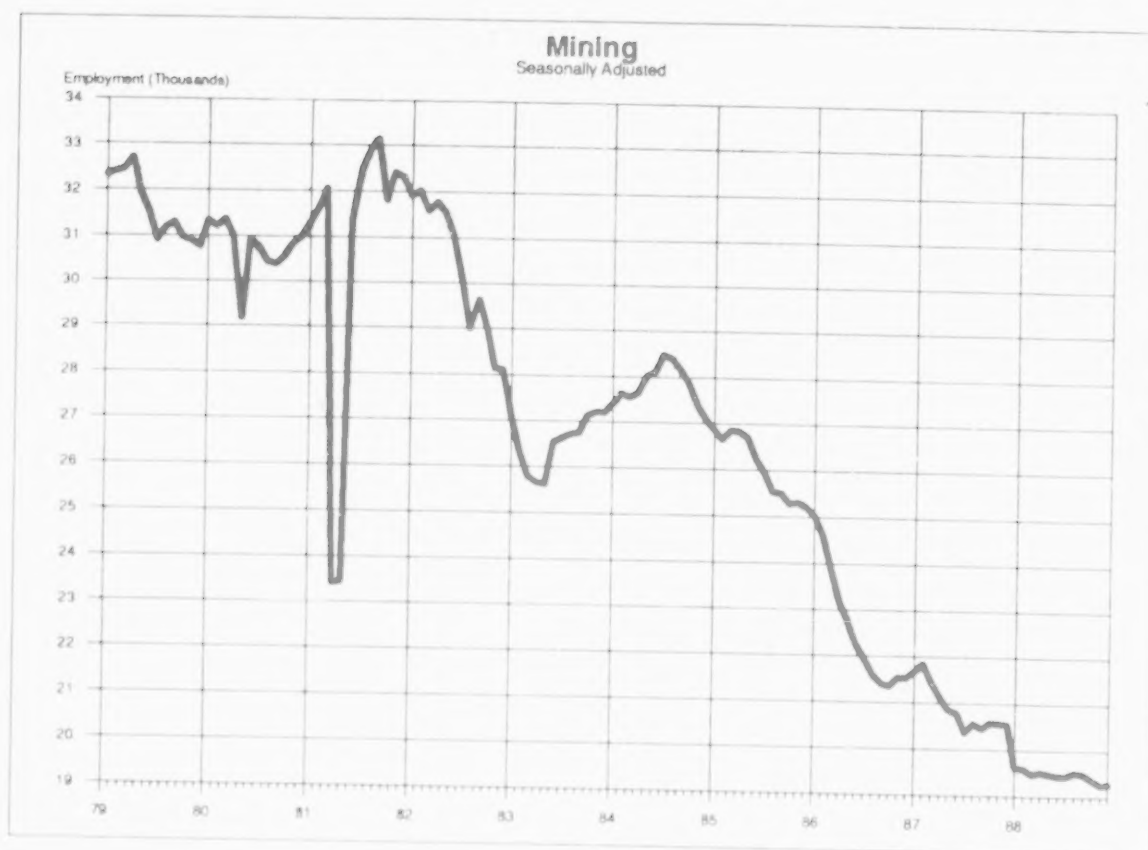
Nondurable Goods Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	404	405	405	403	403	403	403	401	399	399	398	397
1980	397	395	392	389	383	377	372	374	375	376	377	377
1981	376	376	375	375	375	374	374	373	372	369	365	362
1982	356	355	353	351	351	349	347	347	345	340	339	338
1983	337	339	339	339	340	340	342	343	346	347	347	348
1984	350	350	352	353	354	355	354	355	355	355	355	355
1985	355	355	356	355	356	355	355	357	355	355	356	356
1986	357	357	357	357	357	357	357	357	357	358	358	357
1987	356	357	357	357	358	357	359	359	358	360	360	362
1988	360	359	360	360	359	360	359	358	359	360	361	362



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(in thousands)
Seasonally Adjusted

	Total Nonmanufacturing											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	3,084	3,088	3,105	3,089	3,101	3,111	3,099	3,104	3,107	3,112	3,113	3,113
1980	3,128	3,131	3,123	3,112	3,109	3,095	3,082	3,081	3,082	3,100	3,100	3,106
1981	3,107	3,104	3,105	3,091	3,083	3,085	3,084	3,084	3,082	3,077	3,066	3,058
1982	3,056	3,053	3,047	3,035	3,036	3,030	3,020	3,015	3,012	3,005	2,998	2,993
1983	2,999	2,996	3,002	2,997	3,004	3,010	3,037	3,025	3,061	3,051	3,061	3,067
1984	3,078	3,092	3,084	3,096	3,111	3,125	3,138	3,153	3,162	3,175	3,184	3,189
1985	3,185	3,190	3,209	3,232	3,250	3,246	3,256	3,266	3,275	3,281	3,289	3,298
1986	3,312	3,315	3,317	3,341	3,351	3,351	3,365	3,376	3,386	3,397	3,404	3,413
1987	3,439	3,452	3,455	3,456	3,467	3,475	3,484	3,490	3,497	3,516	3,528	3,540
1988	3,533	3,542	3,557	3,555	3,561	3,569	3,575	3,581	3,589	3,599	3,611	3,622



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(in thousands)
Seasonally Adjusted

Mining

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	32	32	32	33	32	32	31	31	31	31	31	31
1980	31	31	31	31	29	31	31	30	30	31	31	31
1981	31	32	32	23	23	31	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	28	28	28	28	28	28	28	28	28	27	27
1985	27	27	27	27	27	26	26	26	26	25	25	25
1986	25	25	24	23	23	22	22	22	21	21	22	22
1987	22	22	21	21	21	21	20	21	20	21	21	21
1988	20	20	19	20	19	19	19	20	19	19	19	19

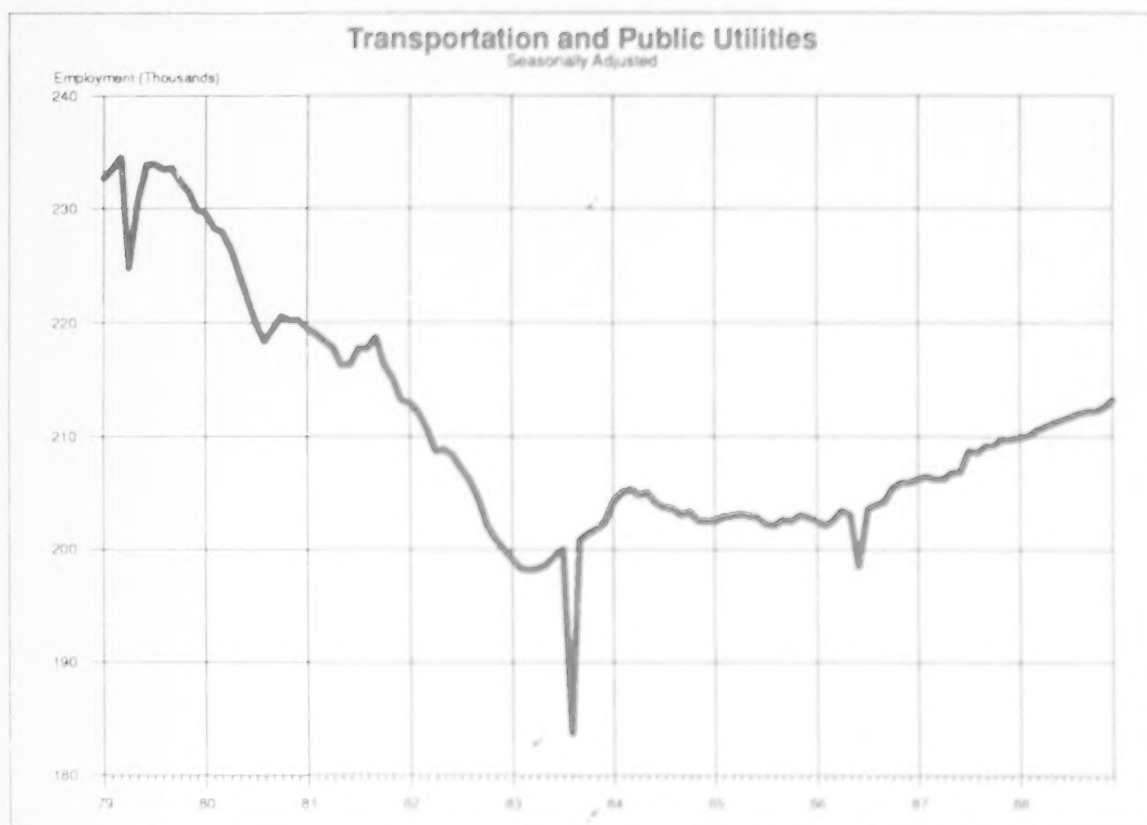


Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)

Seasonally Adjusted

Construction

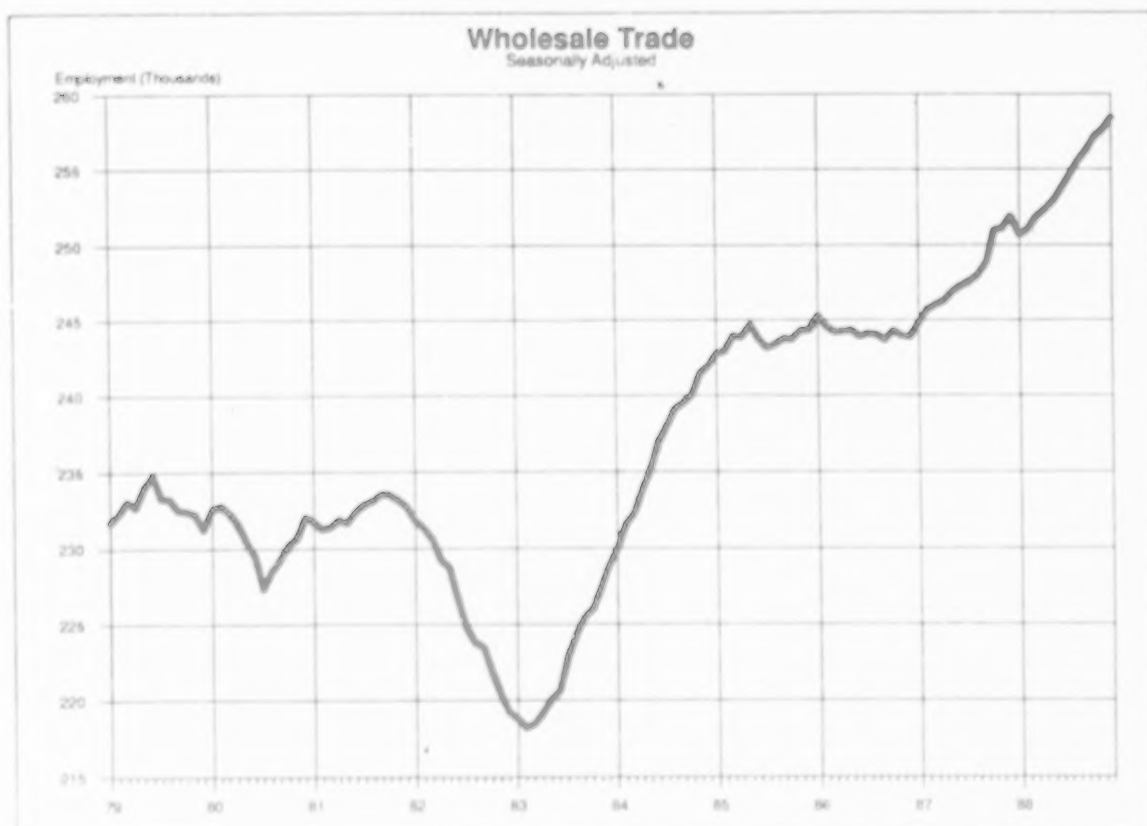
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	180	178	185	183	185	185	184	184	182	181	182	185
1980	188	184	174	168	167	167	162	160	161	162	162	162
1981	162	162	162	160	155	153	155	152	151	149	146	144
1982	141	143	139	137	138	135	133	133	132	131	130	127
1983	127	126	127	123	126	129	131	133	134	135	137	138
1984	139	141	136	139	141	145	146	148	148	151	149	150
1985	150	146	150	155	156	154	154	155	156	156	156	157
1986	157	156	155	161	161	160	160	161	162	163	164	165
1987	173	174	174	173	174	176	178	176	177	178	180	183
1988	181	182	185	183	182	182	182	183	184	184	186	188



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(in thousands)
Seasonally Adjusted

Transportation and Public Utilities

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	233	233	234	225	231	234	234	233	234	232	231	230
1980	230	228	228	227	224	222	220	218	219	221	220	220
1981	220	219	218	218	216	216	218	218	219	216	215	213
1982	213	212	211	209	209	208	207	206	205	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	202
1984	204	205	205	205	205	204	204	204	203	203	203	202
1985	202	203	203	203	203	203	202	202	203	202	203	203
1986	203	202	203	203	203	198	204	204	204	205	206	206
1987	206	206	206	206	207	207	209	209	209	209	210	210
1988	210	210	211	211	211	211	212	212	212	212	213	213



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(in thousands)
Seasonally Adjusted

Wholesale Trade

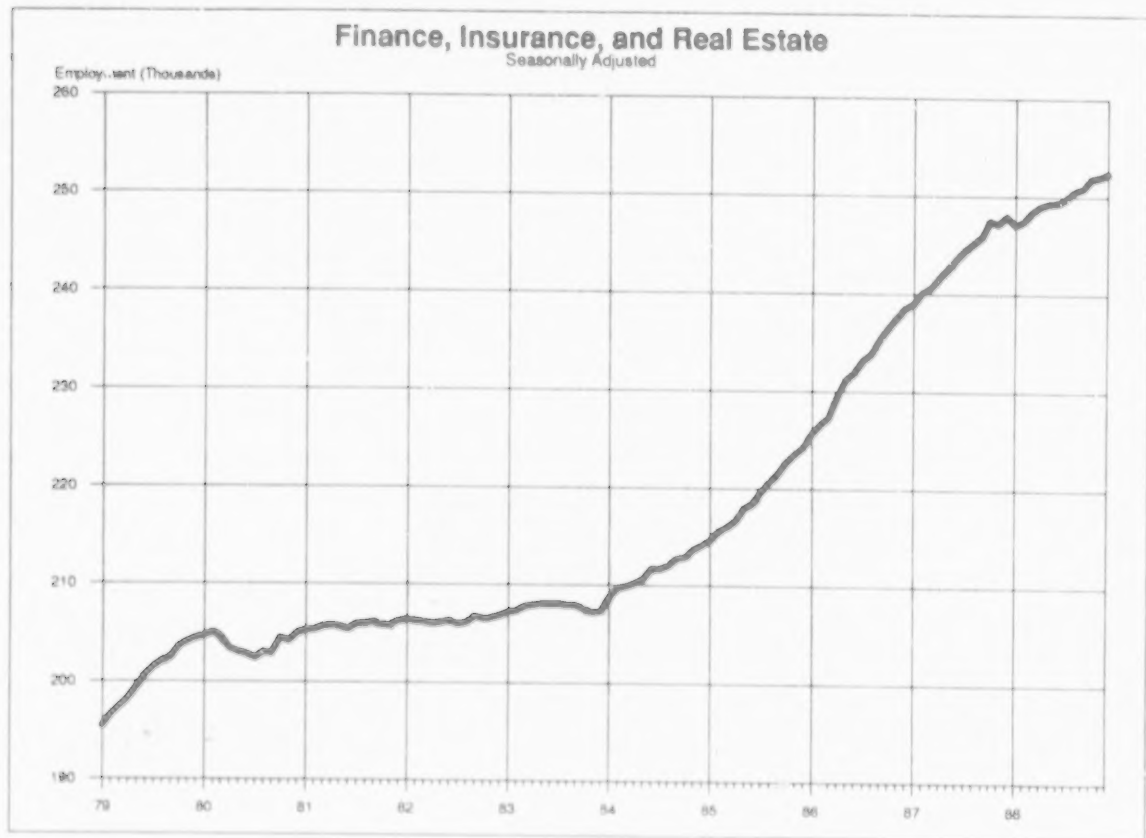
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	232	232	233	233	234	235	233	233	233	232	232	231
1980	233	233	232	232	230	229	227	229	229	230	231	232
1981	232	231	231	232	232	232	233	233	234	234	233	233
1982	232	231	231	229	229	227	225	224	223	222	220	219
1983	219	218	218	219	220	221	223	224	225	226	227	229
1984	230	232	232	234	235	237	238	239	240	240	241	242
1985	243	243	244	244	245	244	243	243	244	244	244	244
1986	245	245	244	244	244	244	244	244	244	244	244	244
1987	245	246	246	246	247	247	248	248	249	251	251	252
1988	251	251	252	252	253	254	255	256	256	257	258	258



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)
Seasonally Adjusted

Retail Trade

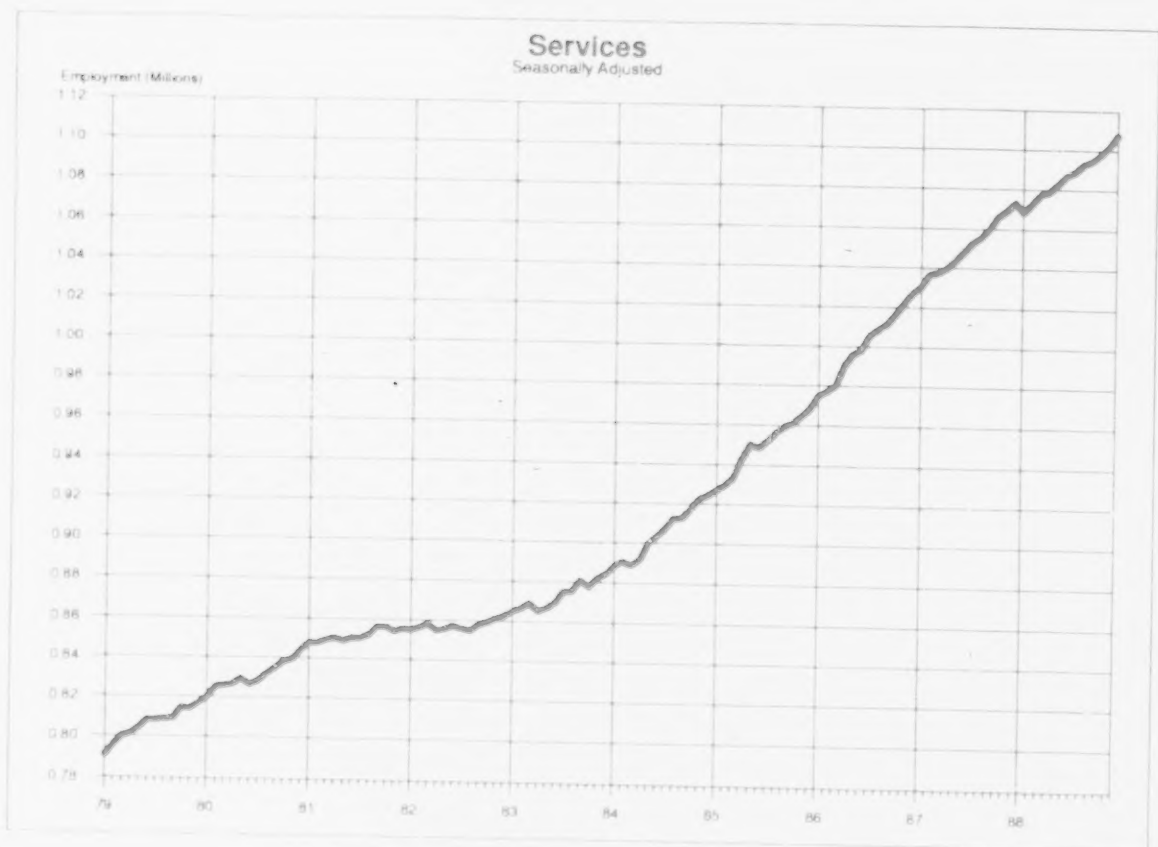
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	743	743	748	742	743	742	736	739	741	742	744	745
1980	744	741	742	733	728	724	719	718	717	720	718	719
1981	718	719	721	720	721	718	717	719	720	717	713	710
1982	713	711	710	706	707	706	704	701	700	697	693	694
1983	699	697	699	702	704	707	715	717	721	720	723	726
1984	729	733	733	736	740	745	751	754	757	761	766	768
1985	769	768	775	782	788	789	791	794	794	799	801	802
1986	805	808	809	813	815	818	820	823	826	828	827	828
1987	836	842	844	841	844	845	847	849	850	856	860	863
1988	865	868	872	870	871	874	876	878	880	884	887	889



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)
Seasonally Adjusted

Finance, Insurance, and Real Estate

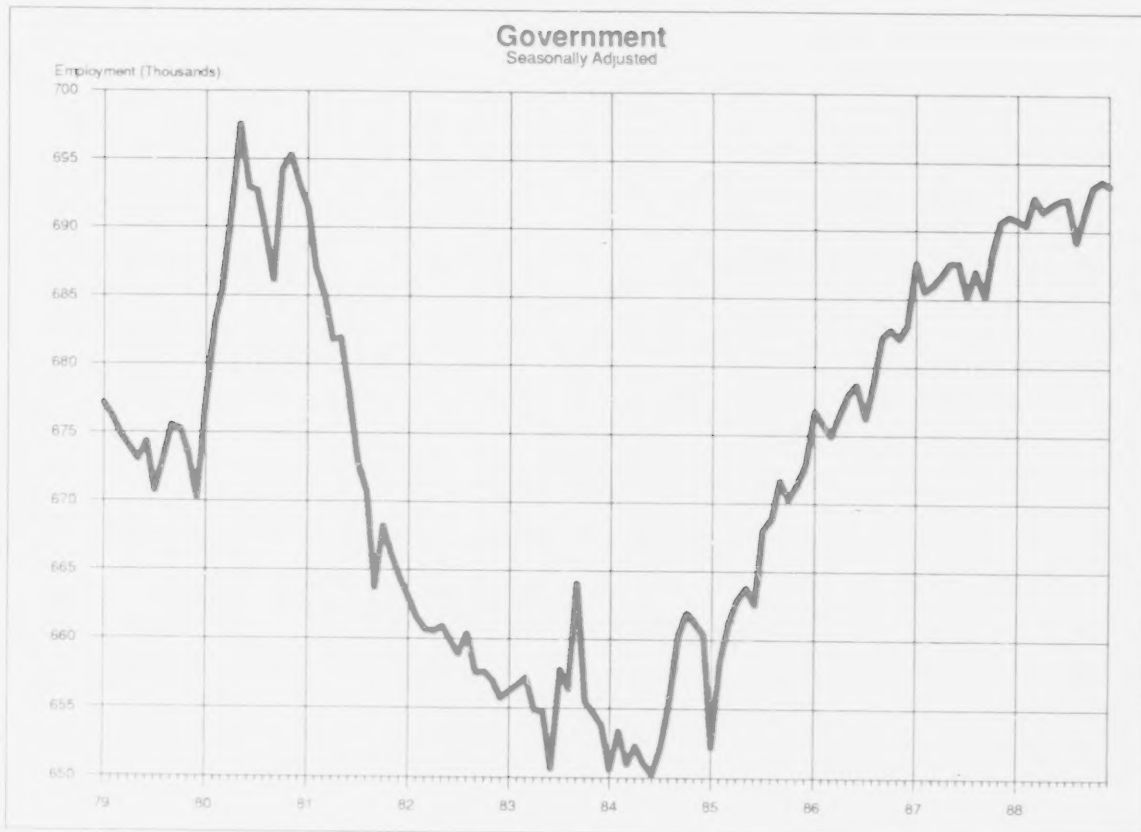
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	196	197	197	198	199	201	202	202	202	204	204	205
1980	205	205	205	203	203	203	202	203	203	204	204	205
1981	205	205	206	206	206	205	206	206	206	206	206	206
1982	206	206	206	206	206	206	206	206	207	207	207	207
1983	207	207	208	208	208	208	208	208	208	208	207	207
1984	209	210	210	210	211	212	212	212	213	213	214	214
1985	215	216	216	217	218	218	220	221	222	223	224	224
1986	226	227	227	229	231	232	233	234	235	236	238	239
1987	239	240	241	242	243	244	244	245	246	247	247	248
1988	247	247	248	249	249	249	250	251	251	252	252	252



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(in thousands)
Seasonally Adjusted

Services

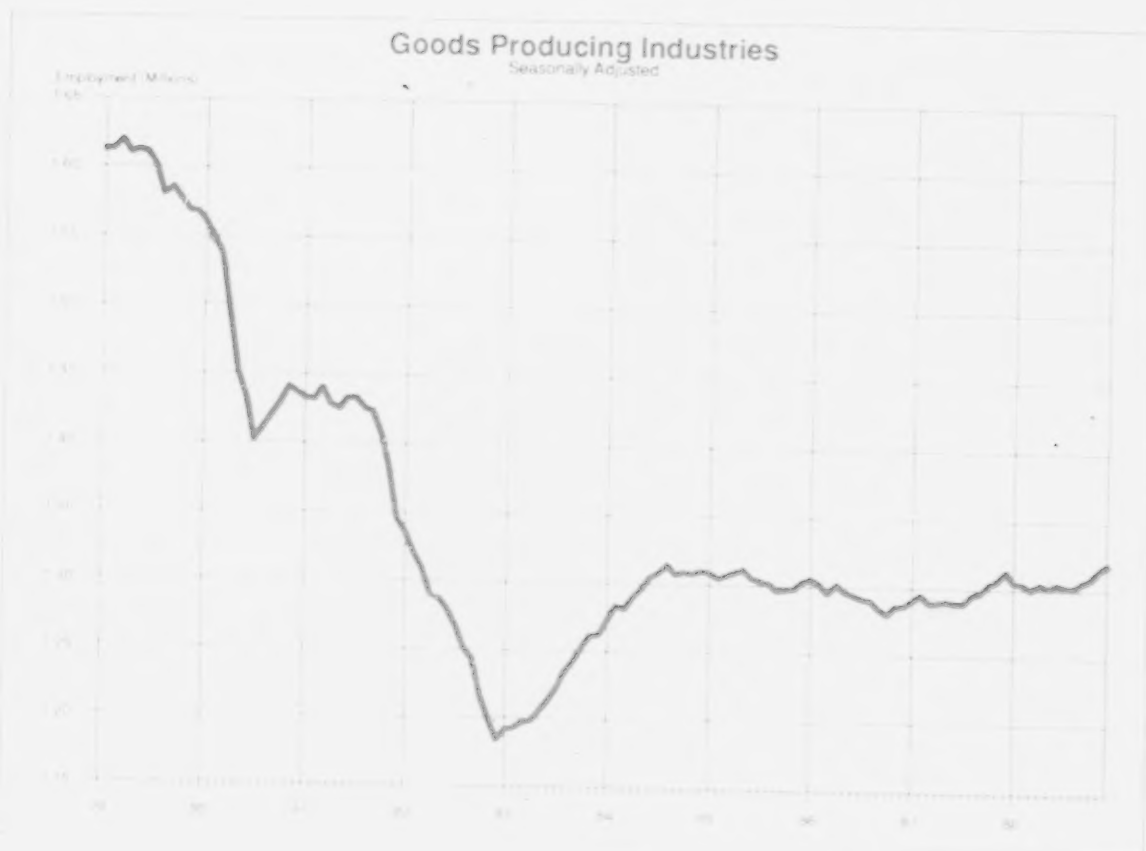
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	791	795	800	802	804	808	808	809	809	815	814	817
1980	820	825	826	826	829	826	828	832	835	838	839	844
1981	848	848	849	850	849	850	850	852	856	856	854	855
1982	855	856	858	855	856	857	856	855	858	859	861	863
1983	865	867	869	865	867	869	875	875	881	878	882	884
1984	888	891	889	892	900	904	907	913	913	917	922	924
1985	927	930	933	943	950	949	952	956	959	961	964	968
1986	975	977	980	990	996	998	1,006	1,009	1,012	1,016	1,022	1,027
1987	1,030	1,036	1,037	1,040	1,043	1,048	1,053	1,055	1,060	1,066	1,069	1,073
1988	1,068	1,073	1,078	1,079	1,083	1,087	1,089	1,093	1,095	1,097	1,102	1,108



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(In thousands)
Seasonally Adjusted

Government

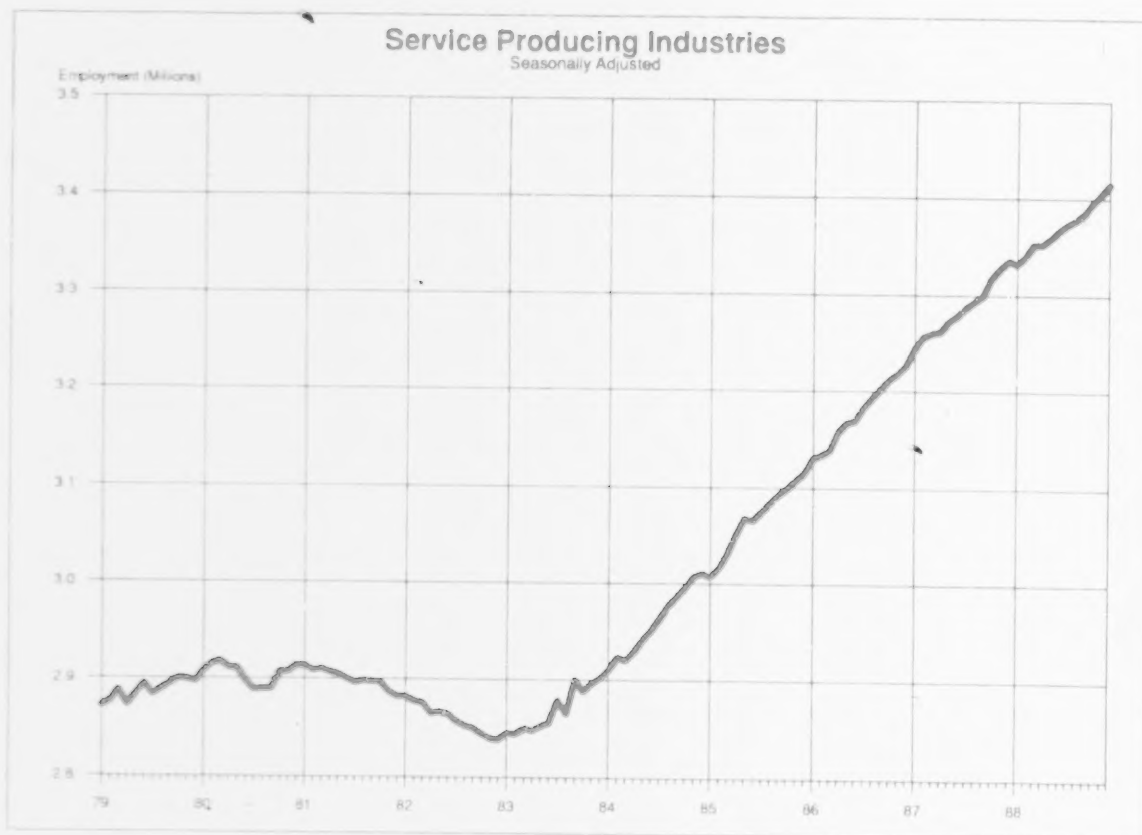
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	677	676	675	674	673	674	671	673	676	675	673	670
1980	677	683	685	691	697	693	693	690	686	694	695	693
1981	691	687	685	682	682	678	673	671	664	668	666	664
1982	663	662	661	661	661	660	659	660	658	658	657	656
1983	656	657	657	655	655	651	658	656	664	656	655	654
1984	651	653	651	652	651	650	652	655	660	662	661	660
1985	652	658	661	663	664	663	668	669	672	670	671	673
1986	677	676	675	676	678	679	676	679	682	683	682	683
1987	688	686	686	687	688	688	685	687	685	688	691	691
1988	691	690	692	691	692	692	692	689	691	693	694	693



Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(in thousands)
Seasonally Adjusted

Goods Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	1,613	1,613	1,620	1,610	1,613	1,611	1,601	1,581	1,585	1,577	1,569	1,568
1980	1,560	1,548	1,536	1,495	1,451	1,432	1,403	1,411	1,421	1,429	1,441	1,437
1981	1,433	1,432	1,440	1,429	1,425	1,433	1,433	1,426	1,423	1,406	1,382	1,346
1982	1,336	1,320	1,309	1,290	1,288	1,280	1,267	1,251	1,243	1,215	1,199	1,184
1983	1,192	1,193	1,197	1,198	1,206	1,213	1,222	1,235	1,243	1,253	1,261	1,262
1984	1,274	1,283	1,282	1,291	1,297	1,305	1,308	1,315	1,308	1,310	1,309	1,310
1985	1,309	1,305	1,307	1,309	1,312	1,306	1,304	1,302	1,297	1,298	1,299	1,303
1986	1,306	1,302	1,295	1,302	1,297	1,294	1,292	1,291	1,284	1,281	1,286	1,287
1987	1,291	1,295	1,289	1,290	1,291	1,290	1,289	1,295	1,298	1,304	1,306	1,313
1988	1,305	1,304	1,301	1,304	1,302	1,304	1,303	1,302	1,306	1,309	1,316	1,319

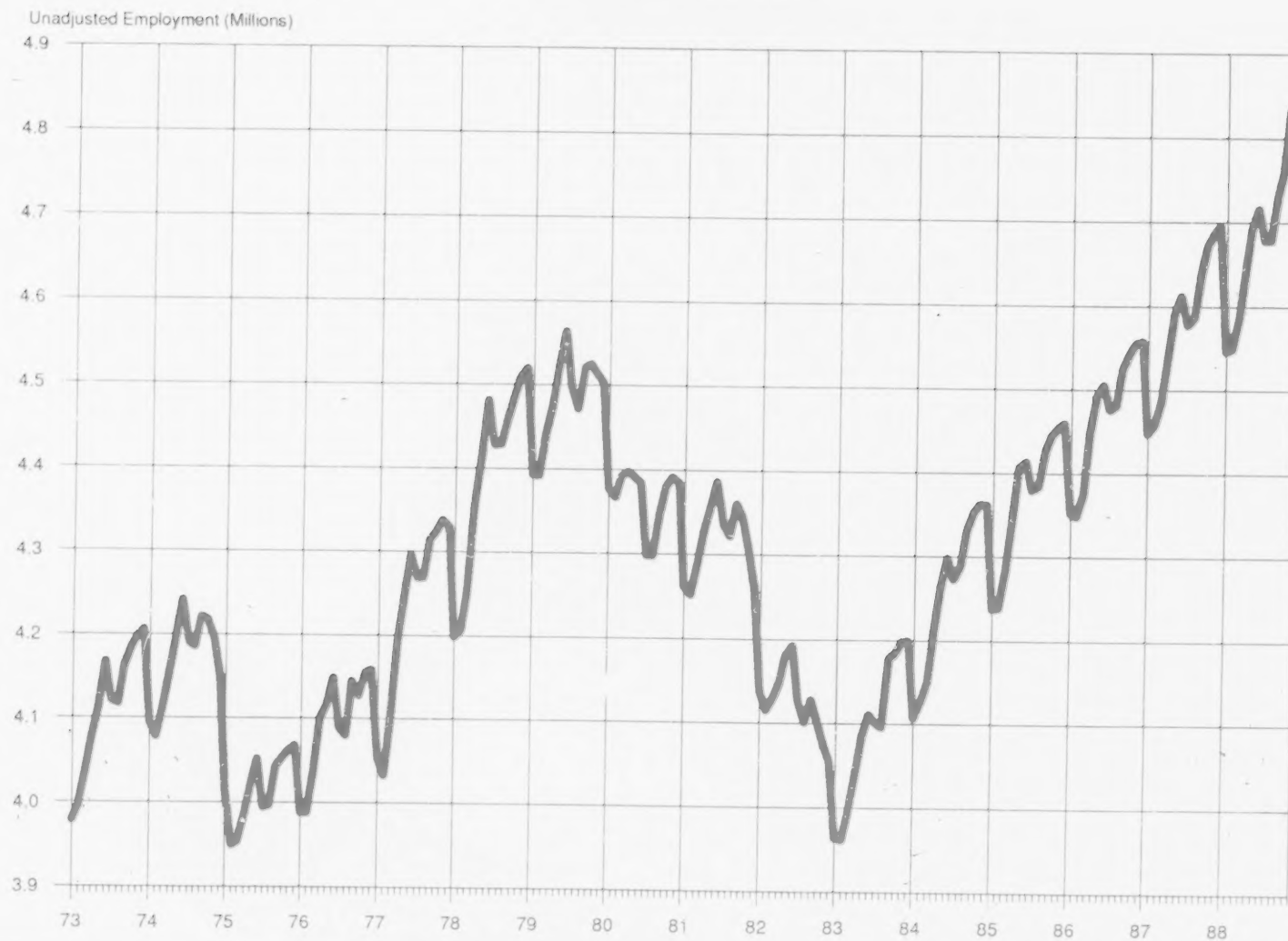


Ohio Nonagricultural Wage and Salary Employment: 1979 - 1988
(in thousands)
Seasonally Adjusted

Service Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1979	2,871	2,877	2,888	2,873	2,884	2,894	2,884	2,889	2,894	2,900	2,900	2,898
1980	2,908	2,916	2,918	2,912	2,912	2,897	2,889	2,890	2,890	2,907	2,908	2,914
1981	2,914	2,910	2,911	2,907	2,905	2,901	2,897	2,899	2,898	2,897	2,887	2,882
1982	2,882	2,878	2,876	2,866	2,867	2,864	2,857	2,853	2,850	2,844	2,839	2,838
1983	2,845	2,844	2,850	2,848	2,852	2,855	2,879	2,865	2,900	2,889	2,897	2,902
1984	2,911	2,923	2,921	2,929	2,942	2,952	2,964	2,977	2,986	2,996	3,007	3,011
1985	3,008	3,017	3,032	3,051	3,068	3,066	3,076	3,085	3,093	3,099	3,107	3,115
1986	3,130	3,134	3,139	3,157	3,167	3,169	3,183	3,193	3,203	3,213	3,218	3,227
1987	3,244	3,256	3,260	3,262	3,272	3,278	3,286	3,293	3,300	3,318	3,327	3,337
1988	3,332	3,340	3,353	3,352	3,360	3,367	3,373	3,378	3,386	3,396	3,406	3,414

State of Ohio
Total Nonagricultural Employment



Nonagricultural Wage and Salary Employment in Ohio,
By Industrial Division, Since 1939^a
(In thousands)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	1783.8	27.3	63.1	769.8	158.4	330.4	56.7	176.4	201.8
1940	1906.6	27.0	65.3	843.6	169.2	350.5	56.1	184.6	210.2
1941	2201.3	29.9	101.8	1039.4	186.8	370.9	60.4	192.6	219.4
1942	2411.3	32.2	99.3	1204.9	198.2	368.3	58.3	200.1	250.1
1943	2607.0	29.2	79.7	1390.1	204.7	360.3	56.0	201.6	285.4
1944	2558.0	27.9	59.3	1359.7	209.8	361.8	55.5	202.3	281.8
1945	2417.9	25.7	61.2	1218.2	207.1	358.9	56.9	209.8	280.1
1946	2532.1	27.6	101.6	1190.0	219.2	410.6	65.5	239.9	277.7
1947	2708.3	30.2	123.1	1269.3	227.6	457.3	69.2	259.5	272.1
1948	2785.5	31.1	134.6	1261.7	235.8	495.7	72.2	277.0	277.6
1949	2654.9	28.1	127.1	1142.2	217.5	503.7	73.6	274.8	287.8
1950	2760.0	27.9	134.1	1220.0	223.3	505.7	76.8	277.3	294.8
1951	2953.4	26.3	158.8	1339.5	236.6	523.8	79.4	283.0	306.0
1952	3005.7	24.4	161.4	1357.3	235.0	537.4	85.4	291.5	313.2
1953	3150.3	23.0	166.5	1446.9	240.1	557.2	89.3	303.1	324.3
1954	3028.4	20.7	184.0	1314.0	221.3	555.9	92.6	307.8	332.1
1955	3128.9	21.0	183.4	1370.6	223.8	571.2	96.3	318.5	344.1
1956	3219.7	22.1	184.8	1393.7	228.9	598.0	100.6	335.0	356.7
1957	3230.6	22.0	183.3	1370.9	226.4	609.4	104.9	346.9	366.9
1958	3007.2	20.1	162.8	1198.3	207.6	586.6	107.9	344.6	379.4
1959	3112.5	20.0	161.4	1264.5	208.5	603.3	111.8	356.2	386.7
1960	3147.3	19.9	152.2	1264.8	208.7	619.2	116.2	367.2	399.2
1961	3044.3	18.9	142.1	1183.2	198.5	601.3	119.2	368.7	412.5
1962	3099.2	18.8	137.9	1218.2	198.1	605.2	120.5	376.4	424.2
1963	3145.2	18.4	137.1	1236.6	197.1	611.3	122.6	390.3	431.7
1964	3216.3	19.6	141.3	1259.1	197.8	624.0	124.9	409.3	440.3
1965	3364.3	18.8	152.0	1326.0	202.3	647.6	127.0	432.1	458.6
1966	3537.3	18.4	162.0	1404.4	207.5	675.2	129.6	457.1	483.0
1967	3619.8	18.9	163.8	1401.4	209.0	697.3	135.3	484.6	509.5
1968	3750.8	18.9	175.5	1433.5	214.4	727.0	141.0	512.2	528.3
1969	3887.3	19.6	184.8	1471.0	221.0	759.0	146.0	541.2	544.8
1970	3880.7	20.6	164.2	1409.9	225.0	773.2	154.2	568.1	565.5
1971	3839.6	20.8	155.2	1333.8	223.8	782.8	158.6	587.4	577.2
1972	3938.4	22.7	165.1	1346.8	222.9	816.3	163.8	611.7	589.1
1973	4112.9	22.9	175.5	1426.3	224.9	852.6	169.0	643.9	597.8
1974	4169.4	24.2	172.3	1416.6	227.8	873.8	171.9	669.7	613.1
1975	4016.2	26.8	154.9	1267.5	213.2	868.0	173.1	686.3	626.4
1976	4094.6	28.2	154.2	1295.3	213.7	890.8	177.0	703.2	632.2
1977	4230.1	29.1	162.8	1344.1	219.1	917.8	183.4	731.4	642.3
1978	4394.9	29.0	176.6	1377.2	225.0	956.4	191.1	772.1	667.5
1979	4484.8	31.6	182.9	1382.3	232.1	975.2	200.6	806.2	674.0
1980	4367.4	30.7	167.4	1264.3	223.1	957.2	203.8	830.9	689.9
1981	4317.7	30.7	153.7	1232.6	217.2	950.1	205.8	851.6	676.0
1982	4124.3	30.3	134.6	1099.9	206.8	929.4	206.4	857.3	659.6
1983	4092.5	26.6	130.8	1066.0	198.5	933.5	207.8	873.3	656.1
1984	4260.2	27.8	144.8	1127.0	203.9	984.7	211.5	905.2	655.2
1985	4372.9	26.1	154.0	1124.2	202.7	1031.6	219.3	949.5	665.2
1986	4471.4	22.6	160.7	1109.8	203.4	1062.9	232.3	1001.0	678.9
1987	4582.6	20.9	176.4	1098.9	207.8	1096.3	243.8	1051.2	687.3
1988 ^b	4683.0	19.5	153.6	1103.1	211.5	1130.8	249.8	1087.8	696.8

^aEstimated in cooperation with U.S. Bureau of Labor Statistics

^bPreliminary

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43215 (5-25-89) R-790 1-2
(March 1988 BM)

Proportion of Nonagricultural Wage and Salary Employees in Ohio,
By Industrial Division, Since 1939^a
(percent of Ohio total)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	100.0	1.5	3.5	43.2	8.9	18.5	3.2	9.9	11.3
1940	100.0	1.4	3.4	44.2	8.9	18.4	2.9	9.7	11.0
1941	100.0	1.4	4.6	47.2	8.5	16.8	2.7	8.7	10.0
1942	100.0	1.3	4.1	50.0	8.2	15.3	2.4	8.3	10.4
1943	100.0	1.1	3.1	53.3	7.9	13.8	2.1	7.7	10.9
1944	100.0	1.1	2.3	53.2	8.2	14.1	2.2	7.9	11.0
1945	100.0	1.1	2.5	50.4	8.6	14.8	2.4	8.7	11.6
1946	100.0	1.1	4.0	47.0	8.7	16.2	2.6	9.5	11.0
1947	100.0	1.1	4.5	46.9	8.4	16.9	2.6	9.6	10.0
1948	100.0	1.1	4.8	45.3	8.5	17.8	2.6	9.9	10.0
1949	100.0	1.1	4.8	43.0	8.2	19.0	2.8	10.4	10.8
1950	100.0	1.0	4.9	44.2	8.1	18.3	2.8	10.0	10.7
1951	100.0	.9	5.4	45.4	8.0	17.7	2.7	9.6	10.4
1952	100.0	.8	5.4	45.2	7.8	17.9	2.8	9.7	10.4
1953	100.0	.7	5.3	45.9	7.6	17.7	2.8	9.6	10.3
1954	100.0	.7	6.1	43.4	7.3	18.4	3.1	10.2	11.0
1955	100.0	.7	5.9	43.8	7.2	18.3	3.1	10.2	11.0
1956	100.0	.7	5.7	43.3	7.1	18.6	3.1	10.4	11.1
1957	100.0	.7	5.7	42.4	7.0	18.9	3.2	10.7	11.4
1958	100.0	.7	5.4	39.8	6.9	19.5	3.6	11.5	12.6
1959	100.0	.6	5.2	40.6	6.7	19.4	3.6	11.4	12.4
1960	100.0	.6	4.8	40.2	6.6	19.7	3.7	11.7	12.7
1961	100.0	.6	4.7	38.9	6.5	19.8	3.9	12.1	13.5
1962	100.0	.6	4.4	39.3	6.4	19.5	3.9	12.1	13.7
1963	100.0	.6	4.4	39.3	6.3	19.4	3.9	12.4	13.7
1964	100.0	.6	4.4	39.1	6.1	19.4	3.9	12.7	13.7
1965	100.0	.6	4.5	39.4	6.0	19.2	3.8	12.8	13.6
1966	100.0	.5	4.6	39.7	5.9	19.1	3.7	12.9	13.7
1967	100.0	.5	4.5	38.7	5.8	19.3	3.7	13.4	14.1
1968	100.0	.5	4.7	38.2	5.7	19.4	3.8	13.7	14.1
1969	100.0	.5	4.8	37.8	5.7	19.5	3.8	13.9	14.0
1970	100.0	.5	4.2	36.3	5.8	19.9	4.0	14.6	14.6
1971	100.0	.5	4.0	34.7	5.8	20.4	4.1	15.3	15.0
1972	100.0	.6	4.2	34.2	5.7	20.7	4.2	15.5	15.0
1973	100.0	.6	4.3	34.7	5.5	20.7	4.1	15.7	14.5
1974	100.0	.6	4.1	34.0	5.5	21.0	4.1	16.1	14.7
1975	100.0	.7	3.9	31.6	5.3	21.6	4.3	17.1	15.6
1976	100.0	.7	3.8	31.6	5.2	21.8	4.3	17.2	15.4
1977	100.0	.7	3.8	31.8	5.2	21.7	4.3	17.3	15.2
1978	100.0	.7	4.0	31.3	5.1	21.8	4.3	17.6	15.2
1979	100.0	.7	4.1	30.8	5.2	21.7	4.5	19.0	15.8
1981	100.0	.7	3.6	28.5	5.0	22.0	4.8	19.7	15.7
1982	100.0	.7	3.3	26.7	5.0	22.5	5.0	20.8	16.0
1983	100.0	.6	3.2	26.0	4.9	22.8	5.1	21.3	16.0
1984	100.0	.7	3.4	26.5	4.8	23.1	5.0	21.2	15.4
1985	100.0	.6	3.5	25.7	4.6	23.6	5.0	21.7	15.2
1986	100.0	.5	3.6	24.8	4.5	23.8	5.2	22.4	15.2
1987	100.0	.5	3.8	24.0	4.5	23.9	5.3	22.9	15.0
1988 ^b	100.0	.4	3.9	23.6	4.5	24.1	5.3	23.2	14.9

^aEstimated in cooperation with U.S. Bureau of Labor Statistics

^bPreliminary

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43215 (5-25-89) RS 790 1-2-1
(March 1988 BM)

**Nonagricultural Wage and Salary Employment in Ohio,
Manufacturing and Nonmanufacturing, Since 1939^a**

Year	Employment (in thousands)					Manufacturing as Percent of Nonagricultural Employment	Durable Goods as Percent of Manufacturing Employment
	Nonagricultural Wage and Salary	Manufacturing			Nonmanu- facturing		
		Total	Durable Goods	Nondurable Goods			
1939	1783.8	769.8	487.7	282.1	1014.1	43.2	63.4
1940	1906.6	843.6	554.4	289.2	1063.0	44.2	65.7
1941	2201.3	1039.4	719.2	320.2	1161.9	47.2	69.2
1942	2411.3	1204.9	862.8	342.1	1206.5	50.0	71.6
1943	2607.0	1390.1	1039.2	350.9	1216.9	53.3	74.8
1944	2558.0	1359.7	1013.9	345.8	1198.3	53.2	74.6
1945	2417.9	1218.2	879.9	338.3	1199.8	50.4	72.2
1946	2532.1	1190.0	818.4	371.6	1342.1	47.0	68.8
1947	2708.3	1269.3	894.1	375.2	1439.1	46.9	70.4
1948	2785.5	1261.7	887.6	374.1	1523.8	45.3	70.3
1949	2654.9	1142.2	783.5	358.7	1512.7	43.0	68.6
1950	2760.0	1220.0	847.7	372.3	1540.0	44.2	69.5
1951	2953.4	1339.5	954.5	385.0	1613.9	45.4	71.3
1952	3005.7	1357.3	973.1	384.2	1648.4	45.2	71.7
1953	3150.3	1446.9	1052.0	394.9	1703.4	45.9	72.7
1954	3028.4	1314.0	937.1	376.9	1714.4	43.4	71.3
1955	3128.9	1370.6	980.0	390.5	1758.3	43.8	71.5
1956	3219.7	1393.7	1002.0	391.7	1826.0	43.3	71.9
1957	3230.6	1370.9	984.7	386.2	1859.6	42.4	71.8
1958	3007.2	1198.3	828.9	369.4	1808.9	39.8	69.2
1959	3112.5	1264.5	886.8	377.8	1848.0	40.6	70.1
1960	3147.3	1264.8	889.8	375.0	1882.5	40.2	70.4
1961	3044.3	1183.2	821.6	361.5	1861.2	38.9	69.4
1962	3099.2	1218.2	853.6	364.7	1881.0	39.3	70.1
1963	3145.2	1236.6	869.6	367.1	1908.5	39.3	70.3
1964	3216.3	1259.1	887.1	372.0	1957.3	39.1	70.5
1965	3364.3	1326.0	941.7	384.3	2038.3	39.4	71.0
1966	3537.3	1404.4	1004.7	399.8	2132.8	39.7	71.5
1967	3619.8	1401.4	998.6	402.8	2218.3	38.7	71.3
1968	3750.8	1433.5	1021.8	411.7	2317.3	38.2	71.3
1969	3887.3	1471.0	1052.7	418.2	2416.3	37.8	71.6
1970	3880.7	1409.9	1002.5	407.4	2470.7	36.3	71.1
1971	3839.6	1333.8	963.1	397.7	2505.7	34.7	70.2
1972	3938.4	1346.8	948.8	398.0	2591.5	34.2	70.4
1973	4112.9	1426.3	1018.2	408.1	2686.6	34.7	71.4
1974	4169.4	1416.6	1013.1	403.5	2752.8	34.0	71.5
1975	4016.2	1267.5	892.4	375.1	2748.7	31.6	70.4
1976	4094.6	1295.3	910.6	384.6	2799.3	31.6	70.3
1977	4230.1	1344.1	945.2	398.9	2886.0	31.8	70.3
1978	4394.9	1377.2	974.5	402.7	3017.7	31.3	70.8
1979	4484.8	1382.3	980.5	401.8	3102.5	30.8	70.9
1980	4367.4	1264.3	882.6	381.8	3103.0	28.9	69.8
1981	4317.7	1232.6	860.4	372.2	3085.1	28.5	69.8
1982	4124.3	1099.9	752.4	347.5	3024.4	26.7	68.4
1983	4092.5	1066.0	723.6	342.4	3028.5	26.0	67.9
1984	4260.2	1127.0	773.4	353.6	3133.1	26.5	68.6
1985	4372.9	1124.2	768.7	355.5	3248.6	25.7	68.4
1986	4471.4	1109.8	752.7	357.1	3361.6	24.8	67.8
1987	4582.6	1098.9	740.4	358.4	3483.7	24.0	67.4
1988 ^b	4683.0	1103.1	743.6	359.6	3579.8	23.6	67.4

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Includes full- and part-time wage and salaried workers employed during pay periods including the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals because of rounding.

^bPreliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43215 (5-25-89) RS 790 1-1
(March 1988 BAE)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1988^a
 (in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4683.0	4546.1	4549.1	4586.2	4642.7	4692.3	4715.4	4678.8	4679.1	4731.7	4757.7	4834.7	4781.8
MANUFACTURING	1103.1	1094.7	1092.3	1089.6	1098.5	1100.5	1107.6	1100.8	1102.1	1110.5	1110.3	1115.7	1115.1
Durable Goods ^b	743.6	738.5	737.2	733.9	741.8	743.2	746.9	741.5	740.5	745.6	747.8	753.3	752.5
Lumber and wood products	22.0	20.3	20.3	20.5	21.2	21.8	22.3	22.7	22.8	23.1	23.2	23.3	23.1
Furniture and fixtures	15.1	14.9	15.0	15.1	14.9	15.0	15.4	15.2	14.9	15.2	15.1	15.0	15.0
Stone, clay, and glass products	47.8	46.1	46.3	46.9	47.6	48.0	48.7	48.6	48.7	48.3	48.2	48.4	47.8
Glass and glassware, pressed or blown	8.7	8.6	8.9	8.7	8.7	8.7	8.8	8.6	8.7	8.6	8.7	8.8	8.7
Primary metal industries	99.9	98.0	98.7	99.3	99.1	100.0	100.3	98.5	99.1	101.1	100.9	101.6	102.0
Blast furnace and basic steel products	45.7	45.3	45.8	45.7	45.6	46.0	45.7	45.8	45.8	45.6	45.3	45.9	46.0
Iron and steel foundries	19.7	19.1	19.2	19.4	19.1	19.6	19.8	19.4	19.4	20.3	20.2	20.4	20.4
Nonferrous rolling and drawing	17.5	16.8	17.1	17.2	17.5	17.5	17.8	16.6	17.4	18.0	18.1	18.0	18.1
Fabricated metal products	133.0	131.5	131.7	132.4	133.0	133.5	134.1	132.7	131.1	133.3	133.5	134.4	134.8
Cutlery, hand tools, and hardware	10.7	10.1	9.9	9.9	10.3	10.2	10.3	10.1	10.0	10.2	10.2	10.2	10.2
Fabricated structural metal products	28.2	28.0	28.3	28.2	28.0	28.1	28.2	28.1	27.3	28.3	28.2	28.4	28.5
Metal forgings and stampings	41.3	39.9	40.3	41.3	41.7	41.8	42.3	41.1	40.3	41.3	41.4	41.8	41.7
Machinery, except electrical	158.7	156.4	155.9	156.8	157.7	157.0	158.2	158.8	158.6	159.9	160.4	161.7	162.7
Construction and related machinery	33.5	33.4	33.4	33.2	33.4	33.4	33.6	33.6	33.8	33.6	33.5	33.4	33.5
Metalworking machinery	41.4	41.2	41.7	41.8	41.9	41.9	41.3	41.5	41.5	41.5	41.8	42.0	42.3
Special industry machinery	17.4	16.8	16.4	16.6	16.9	17.1	17.2	17.3	17.7	17.9	18.0	18.2	18.3
General industrial machinery	28.2	27.4	28.0	28.1	28.1	28.1	28.1	28.2	28.1	28.4	28.4	28.7	28.6
Office and computing machinery	12.8	13.1	13.1	13.0	13.0	12.8	12.9	12.9	12.7	12.7	12.5	12.6	12.5
Refrigeration and service machinery	18.0	18.9	18.8	18.9	18.3	18.9	18.0	18.0	18.7	18.1	18.1	18.3	18.4
Electric and electronic equipment	86.2	86.4	86.7	86.1	86.0	86.7	86.8	86.4	86.0	86.0	86.6	86.9	86.8
Electrical industrial apparatus	17.0	16.5	16.8	16.8	16.7	16.9	17.2	16.3	17.3	17.4	17.4	17.5	17.4
Household appliances	15.8	15.8	15.7	15.8	15.8	15.9	16.0	16.1	15.9	15.9	16.0	16.2	16.3
Electric light and wiring equipment	17.2	17.1	17.2	17.2	17.7	17.7	17.5	16.4	17.0	17.2	17.6	17.4	17.5
Communication equipment	9.4	9.5	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.3	9.3	9.2
Transportation equipment	147.8	146.0	146.5	147.5	147.4	147.7	147.9	148.7	148.5	149.4	149.6	149.8	149.9
Motor vehicles and equipment	95.2	95.6	95.7	95.7	95.4	95.5	95.4	95.2	95.8	96.1	96.7	96.4	96.9
Aircraft and parts	38.0	41.5	40.4	42.5	49.1	50.7	50.6	50.6	50.4	50.7	50.2	51.6	51.4
Instruments and related products	24.8	24.7	24.5	24.3	24.3	24.1	24.1	24.1	24.2	24.2	24.3	24.9	24.6
Measuring and controlling devices	17.8	17.6	17.5	17.6	17.4	17.5	17.4	17.9	17.3	17.3	17.3	17.4	17.4
Nondurable Goods^c	359.8	358.2	357.1	356.8	356.7	357.3	360.7	359.4	361.6	364.9	362.5	362.3	362.6
Food and kindred products	62.5	61.7	60.5	60.4	61.0	61.3	62.4	62.2	63.7	66.4	63.9	63.4	63.4
Meat products	8.8	8.8	8.7	8.7	8.8	8.7	8.9	8.8	9.0	8.9	8.8	8.7	8.9
Dairy products	9.6	9.4	9.3	9.5	9.5	9.6	9.7	9.7	9.8	9.7	9.8	9.6	9.6
Preserved fruits and vegetables	17.6	17.1	16.8	16.8	16.0	17.0	17.4	16.8	17.7	14.4	12.6	12.0	11.9
Bakery products	9.5	9.1	9.2	9.4	9.4	9.4	9.5	9.6	9.7	9.8	9.5	9.4	9.6
Beverages	9.2	9.1	9.0	9.0	9.1	9.0	9.2	9.5	9.5	9.6	9.3	9.1	9.1
Apparel and other textile products	15.4	15.1	15.1	15.1	15.8	15.3	15.1	15.2	15.3	15.6	15.7	15.9	16.0

See footnotes at end of table.

85-796-1-0 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1988^a (continued)
(In thousands)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.1	37.1	37.0	37.0	37.2	37.2	37.3	37.2	37.0	36.9	37.1	37.3	37.5
Misc. converted paper products	12.0	11.8	11.8	11.8	11.9	11.9	12.0	11.8	11.9	12.2	12.1	12.2	12.2
Paperboard containers and boxes	13.1	13.1	13.0	13.0	13.2	13.1	13.1	13.2	13.1	13.0	13.0	13.1	13.2
Printing and publishing	71.5	71.6	71.4	71.3	71.0	70.7	71.3	71.3	71.4	71.8	72.0	72.0	72.3
Newspapers	18.8	18.8	18.8	18.8	18.6	18.6	18.8	18.8	18.8	18.9	18.9	19.0	19.0
Commercial printing	28.0	27.7	27.8	28.0	27.8	27.7	27.9	27.9	27.9	28.2	28.3	28.3	28.4
Chemicals and allied products	64.5	63.9	64.0	64.1	64.2	64.3	64.9	65.2	65.4	65.2	64.4	64.1	64.4
Industrial inorganic chemicals	9.0	9.2	9.1	9.2	9.1	9.1	9.1	9.1	9.1	9.1	8.5	8.4	8.6
Rubber and misc. plastics products	90.8	90.0	90.1	90.1	90.7	90.7	91.4	90.0	90.9	90.9	91.5	91.8	91.5
Tires and inner tubes	14.7	14.5	14.5	14.5	14.6	14.6	14.7	14.8	14.8	14.8	14.8	14.8	14.5
Miscellaneous plastics products	55.9	55.4	55.5	55.6	56.0	55.9	56.3	55.2	55.8	56.1	56.5	56.6	56.6
NONMANUFACTURING	3579.8	3451.4	3456.8	3496.6	3544.3	3591.8	3607.8	3578.0	3577.0	3621.2	3647.4	3719.0	3666.6
MINING	19.5	19.4	18.9	18.8	18.7	19.2	19.8	19.8	19.8	19.8	19.8	19.7	19.5
Bituminous coal and lignite mining	8.0	8.2	8.1	7.9	7.9	7.9	8.3	8.0	7.9	8.0	7.9	7.9	7.8
Oil and gas extraction	6.7	7.1	6.9	6.6	6.3	6.4	6.6	6.8	6.7	6.7	6.7	6.8	6.9
CONSTRUCTION	183.6	154.1	150.4	159.8	172.7	182.8	191.2	199.5	202.5	202.0	203.0	197.4	188.0
General building contractors	47.1	41.5	40.3	47.7	46.0	46.4	48.9	50.8	51.1	50.5	50.8	50.1	48.6
Heavy construction contractors	22.9	15.9	15.2	17.3	20.7	24.7	25.5	26.8	27.2	27.6	27.3	25.4	22.0
Highway and street construction	8.5	4.6	4.3	5.2	7.2	9.2	10.2	10.7	11.0	11.2	10.8	9.8	7.6
Special trade contractors	115.6	96.6	94.9	100.8	107.5	112.2	116.8	121.9	124.2	123.9	124.9	121.9	117.4
TRANSPORTATION AND PUBLIC UTILITIES	211.5	205.3	205.2	206.6	209.4	211.5	213.1	213.4	213.9	214.8	215.0	214.7	215.3
Railroad transportation	13.2	12.9	12.7	12.8	13.2	13.6	13.6	13.6	13.6	13.5	13.3	12.9	13.2
Transportation, except railroads	109.7	104.2	104.4	105.5	107.8	109.4	110.4	110.4	110.9	112.3	113.4	113.7	114.3
Trucking and warehousing	75.3	72.0	72.4	73.1	73.9	74.7	75.5	75.8	76.1	76.9	77.3	77.7	78.5
Communication, electric, gas, services ..	88.5	88.1	88.1	88.3	88.3	88.5	89.2	89.5	89.5	89.0	88.8	88.1	87.9
Communication	46.8	46.8	46.8	46.8	46.8	46.9	47.1	47.1	47.1	47.0	46.5	46.4	46.1
Electric, gas, and sanitary services ..	41.8	41.4	41.3	41.4	41.5	41.6	42.1	42.4	42.3	42.0	41.8	41.7	41.8
WHOLESALE TRADE	254.3	248.2	248.3	249.8	251.6	253.5	255.8	256.1	256.3	256.5	258.4	258.5	259.1
Wholesale trade-durable goods	161.2	157.5	157.7	158.4	159.5	160.5	161.9	162.4	162.7	162.7	163.6	163.6	163.9
Motor vehicles & automotive equipment ..	22.5	22.2	22.1	22.2	22.4	22.6	22.8	22.7	22.7	22.6	22.7	22.6	22.6
Electrical goods	18.4	18.4	18.4	18.5	18.3	18.4	18.4	18.5	18.4	18.2	18.4	18.5	18.5
Machinery, equipment, and supplies ..	69.0	67.5	67.7	68.1	68.5	68.8	69.2	69.3	69.5	69.6	69.8	69.9	69.9
Wholesale trade-nondurable goods	93.1	90.6	90.6	91.4	92.1	93.0	93.9	93.7	93.6	93.8	94.9	94.8	95.3
Groceries and related products	29.9	29.1	29.1	29.3	29.4	29.7	30.2	30.1	30.1	30.1	30.4	30.5	30.6
RETAIL TRADE	876.5	847.1	837.6	845.7	859.6	873.2	879.7	881.1	886.2	888.2	891.8	906.0	921.4
General merchandise stores	121.0	123.0	116.7	116.4	116.2	115.8	117.5	117.6	118.6	119.8	123.2	130.3	136.5
Department stores	104.1	106.4	100.7	100.1	100.2	100.5	101.0	101.1	101.8	102.8	105.4	111.8	117.4
Food stores	139.3	135.6	135.0	135.3	136.4	137.7	138.4	139.2	139.8	141.3	141.9	144.3	147.1
Automobile dealers and service stations ..	95.5	92.2	92.6	93.6	94.8	95.4	96.4	96.8	97.1	97.0	96.9	96.5	96.2
Apparel and accessory stores	44.7	43.5	42.4	42.8	43.1	43.5	43.7	43.9	44.8	45.0	45.9	47.5	50.0
Eating and drinking places	300.0	283.1	283.4	288.5	297.2	304.9	308.3	307.9	309.4	308.2	303.6	302.4	302.5

See footnotes at end of table.

RS-790-1-0 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1988^a (continued)
(in thousands)

3.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	249.8	244.6	244.8	246.1	247.5	249.0	251.4	252.8	253.3	251.8	252.1	252.1	252.4
Banking	63.8	62.9	62.9	63.2	63.3	63.5	64.0	64.5	64.7	64.2	64.1	64.0	64.2
Credit agencies other than banks	38.2	37.9	37.8	37.9	38.2	38.3	38.5	38.7	38.5	38.2	37.9	38.0	38.1
Insurance carriers	69.8	69.2	69.3	69.4	69.5	69.5	69.9	69.8	70.0	69.9	70.3	70.5	70.5
Life insurance	25.8	25.7	25.7	25.7	25.7	25.8	25.9	25.7	25.7	25.7	25.9	26.0	26.1
Fire, marine, and casualty insurance..	31.0	30.6	30.7	30.8	30.9	30.8	31.0	31.3	31.3	31.2	31.1	31.2	31.2
SERVICES	1087.8	1040.6	1049.4	1061.5	1079.8	1092.8	1104.1	1103.1	1104.7	1109.8	1105.1	1102.1	1101.0
Hotels and other lodging places	36.2	33.4	33.8	34.1	35.2	36.5	37.7	38.3	38.7	37.5	36.6	36.2	35.9
Personal services	57.0	56.5	57.3	57.8	58.4	56.3	56.4	56.1	56.4	56.7	57.2	57.3	57.5
Laundry, cleaning, & garment services..	18.8	18.2	18.1	18.3	18.6	18.7	18.8	18.8	18.8	19.0	19.3	19.3	19.2
Business services	222.3	210.2	211.6	214.2	217.2	219.9	222.4	226.0	228.0	228.7	229.6	229.7	230.3
Services to buildings	31.6	29.8	30.3	30.6	31.0	31.4	31.9	32.2	32.5	32.3	32.2	32.2	32.3
Computer and data processing services..	21.7	21.0	21.0	21.1	21.1	21.3	21.4	21.9	22.0	22.0	22.2	22.3	22.4
Amusement and recreation services	41.4	28.5	28.5	31.3	38.8	48.4	54.5	55.3	55.3	51.4	38.2	34.1	32.5
Health services	370.3	364.8	365.1	365.9	366.5	367.2	369.9	372.5	373.2	373.4	374.2	374.5	376.3
Nursing and personal care facilities..	81.5	79.9	80.0	80.0	80.7	81.1	81.5	81.9	82.4	82.6	82.5	82.6	82.9
Hospitals	182.2	181.1	181.1	181.3	180.9	180.7	182.0	183.3	183.0	182.9	183.1	183.1	183.8
Educational services	61.8	62.2	66.1	66.2	65.8	62.9	57.9	49.9	48.7	60.3	66.5	68.2	66.6
Colleges and universities	33.4	33.6	37.1	36.8	36.4	33.3	29.3	24.7	24.0	32.4	37.5	38.9	37.1
GOVERNMENT	696.8	692.2	702.1	708.3	705.2	709.9	692.9	652.2	640.3	678.3	702.2	768.5	710.0
Federal government	94.5	94.3	94.3	94.6	94.3	94.3	94.8	94.5	94.5	94.2	94.4	94.7	95.7
State government	155.7	154.2	159.4	162.7	162.6	162.5	153.9	139.8	135.7	146.4	161.6	164.3	165.4
State government education ^d	81.3	80.2	86.5	88.7	88.0	87.9	78.0	63.2	59.8	71.9	88.3	91.1	91.6
State government, except education ...	74.4	74.0	72.9	74.0	74.6	74.5	75.8	76.6	75.9	74.5	73.3	73.2	73.8
Local government	446.6	443.6	448.4	451.1	448.3	453.2	444.3	417.9	410.2	437.6	446.1	509.5	448.9
Local government education	256.0	262.3	267.2	269.8	266.1	268.8	254.3	223.8	217.6	251.2	261.1	265.3	264.8
Local government, except education ...	190.6	181.3	181.2	181.3	182.2	184.4	190.0	194.1	192.6	186.4	185.0	244.2	184.1

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-0 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987^a
(in thousands)

1.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4582.6	4447.5	4458.4	4485.5	4539.5	4592.2	4611.6	4577.9	4586.8	4637.3	4672.0	4686.4	4696.2
MANUFACTURING	1098.9	1087.0	1088.8	1087.1	1093.4	1095.5	1098.6	1091.2	1101.0	1109.5	1109.9	1111.6	1112.8
Durable Goods ^b	740.4	734.3	736.1	733.8	738.8	739.4	740.1	731.4	738.4	745.8	747.3	749.7	750.4
Lumber and wood products	19.9	17.8	17.9	18.5	19.4	19.7	20.0	20.5	20.7	20.9	21.3	21.3	21.1
Furniture and fixtures	14.6	14.1	14.0	14.1	14.3	14.3	14.6	14.6	14.7	15.0	15.3	15.2	15.2
Stone, clay, and glass products	48.4	47.1	46.9	47.3	47.8	48.3	48.9	48.6	49.1	49.2	49.4	49.0	48.8
Glass and glassware, pressed or blown	9.9	10.5	10.4	10.3	10.1	10.1	10.2	9.5	9.8	9.7	9.5	9.4	9.3
Primary metal industries	95.8	92.4	93.7	94.8	94.8	94.3	95.1	94.7	95.9	97.2	98.2	99.0	99.1
Blast furnace and basic steel products	43.4	41.0	41.9	42.6	42.8	42.7	43.1	43.5	43.8	44.1	44.5	45.1	45.5
Iron and steel foundries	19.4	19.5	19.5	19.7	19.4	19.2	19.1	19.4	19.0	19.2	19.2	19.5	19.6
Nonferrous rolling and drawing	17.1	16.8	16.9	17.1	17.1	16.8	17.0	16.2	17.0	17.6	17.7	17.6	17.2
Fabricated metal products	132.6	132.8	132.4	132.7	132.9	133.0	134.0	129.4	129.8	130.8	134.2	134.5	134.6
Cutlery, hand tools, and hardware	9.7	9.7	9.5	9.6	9.6	9.6	9.6	9.5	9.7	9.8	10.0	10.2	10.2
Fabricated structural metal products	29.0	28.4	27.9	28.2	28.8	29.3	29.4	29.4	29.4	29.3	29.7	29.4	29.4
Metal forgings and stampings	41.6	42.9	43.0	43.2	42.9	42.6	43.0	38.3	38.5	39.0	41.6	41.8	41.8
Machinery, except electrical	155.2	154.6	153.8	153.7	154.2	154.8	155.5	155.1	154.9	155.9	156.3	156.5	157.4
Construction and related machinery	12.7	12.5	12.2	12.2	12.4	12.5	12.6	12.8	12.8	13.0	13.2	13.3	13.4
Metalworking machinery	40.4	40.3	40.1	40.0	39.9	40.1	40.3	40.4	40.3	40.5	40.7	40.8	41.1
Special industry machinery	16.6	16.1	16.2	16.2	16.3	16.5	16.7	16.6	16.7	17.0	16.9	16.9	17.1
General industrial machinery	27.8	28.0	27.5	27.4	27.7	27.7	27.8	27.7	27.7	27.8	27.7	27.9	28.2
Office and computing machines	13.4	13.4	13.3	13.3	13.3	13.5	13.6	13.6	13.5	13.4	13.4	13.2	13.2
Refrigeration and service machinery	16.3	16.2	16.2	16.3	16.3	16.4	16.4	16.2	16.4	16.6	16.4	16.2	16.2
Electric and electronic equipment	86.7	88.1	87.7	86.8	86.1	86.1	86.1	86.0	86.3	86.7	86.5	86.8	87.2
Electrical industrial apparatus	16.2	16.0	16.1	15.8	15.8	15.9	16.1	16.1	16.3	16.4	16.6	16.8	17.0
Household appliances	16.4	17.2	17.0	16.8	16.1	16.3	16.4	16.4	16.4	16.5	16.2	16.0	16.1
Electric lighting and wiring equipment	17.0	17.5	17.4	17.3	17.2	17.1	17.1	16.9	16.6	16.7	16.7	16.8	16.9
Communication equipment	10.0	10.5	10.4	10.4	10.2	10.1	10.0	9.9	9.9	9.8	9.8	9.7	9.6
Transportation equipment	149.5	151.1	153.3	149.2	152.6	151.9	148.7	144.6	148.6	151.3	147.0	148.1	147.5
Motor vehicles and equipment	95.5	94.8	97.5	93.9	97.2	97.0	94.1	90.7	95.1	98.2	94.4	96.5	96.8
Aircraft and parts	44.7	47.0	46.4	46.0	46.1	45.4	44.9	44.6	44.2	43.8	43.4	42.6	41.7
Instruments and related products	23.5	22.8	22.8	22.9	22.9	23.0	23.2	23.6	23.9	24.1	24.3	24.4	24.5
Measuring and controlling devices	13.2	12.6	12.6	12.6	12.7	12.8	13.0	13.3	13.5	13.6	13.8	13.9	13.9
Nondurable Goods^c	358.4	352.7	352.7	353.2	354.6	356.2	358.5	359.8	362.6	363.7	362.6	361.9	362.4
Food and kindred products	63.1	61.8	61.3	61.7	61.8	62.1	62.8	63.9	66.1	66.6	63.9	62.7	62.8
Meat products	9.6	9.5	9.4	9.5	9.5	9.4	9.7	9.8	9.7	9.8	9.5	9.5	9.5
Dairy products	10.0	9.9	10.0	10.1	10.1	10.2	10.4	10.3	10.2	10.1	9.8	9.7	9.6
Preserved fruits and vegetables	11.2	10.6	10.1	10.2	10.3	10.3	10.2	10.7	13.2	14.0	12.0	11.1	11.3
Bakery products	9.1	8.7	8.7	8.8	9.0	9.0	8.9	9.3	9.4	9.3	9.2	9.2	9.2
Beverages	9.5	9.4	9.5	9.4	9.3	9.4	9.7	9.9	9.8	9.5	9.2	9.2	9.3
Apparel and other textile products	15.5	15.4	15.6	15.7	15.7	15.8	15.8	15.1	15.1	15.3	15.6	15.6	15.4

See footnotes at end of table.

RS-790-1-0 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987^a (continued)
(in thousands)

2.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.0	36.4	36.5	36.4	36.5	36.6	37.1	37.1	37.3	37.4	37.3	37.3	37.7
Misc. converted paper products	11.9	11.8	11.8	11.7	11.7	11.8	12.0	12.1	12.0	12.1	12.1	12.1	12.2
Paperboard containers and boxes	12.8	12.3	12.4	12.5	12.5	12.6	12.8	12.8	12.9	13.0	13.0	13.0	13.1
Printing and publishing	70.5	68.8	68.9	68.8	69.6	69.9	70.1	70.9	71.0	70.7	71.9	72.3	72.7
Newspapers	19.2	19.3	19.3	19.2	19.1	19.2	19.1	19.2	19.1	19.1	19.3	19.4	19.6
Commercial printing	26.7	25.6	25.7	25.9	26.1	26.2	26.4	26.8	27.0	27.1	27.5	27.8	28.0
Chemicals and allied products	63.4	61.6	61.9	62.2	62.7	63.3	63.9	64.4	64.2	64.0	64.1	64.2	64.5
Industrial inorganic chemicals	9.3	9.3	9.3	9.4	9.4	9.3	9.3	9.4	9.3	9.3	9.3	9.3	9.3
Rubber and misc. plastics products	91.9	92.7	92.5	92.2	91.8	91.5	91.6	91.0	91.4	92.1	92.3	92.2	91.6
Tires and inner tubes	16.6	17.9	17.6	17.4	17.0	16.7	16.8	16.8	16.4	16.1	15.7	15.6	15.3
Miscellaneous plastics products	55.0	54.5	54.5	54.6	54.4	54.4	54.5	54.2	54.9	55.7	56.2	56.1	56.1
NONMANUFACTURING	3483.7	3360.6	3369.6	3398.4	3446.1	3496.6	3513.0	3486.7	3485.8	3527.8	3562.1	3574.9	3583.4
MINING	20.9	21.4	21.1	20.7	20.6	20.6	20.9	20.8	20.8	20.8	21.0	21.0	20.8
Bituminous coal and lignite mining	9.1	9.7	9.7	9.5	9.4	9.2	9.2	8.8	8.8	8.7	8.8	8.8	8.8
Oil and gas extraction	7.1	7.5	7.3	7.0	6.7	6.7	6.8	7.0	7.1	7.1	7.2	7.3	7.3
CONSTRUCTION	176.4	147.5	143.9	150.4	162.3	175.5	184.6	194.5	195.3	194.5	196.0	190.5	182.0
General building contractors	44.6	39.2	38.2	39.4	41.2	43.6	45.9	48.6	48.6	48.3	48.3	47.5	46.4
Heavy construction contractors	23.1	15.1	14.7	16.5	20.1	24.4	25.8	28.0	28.3	28.0	27.8	26.1	22.5
Highway and street construction	9.4	4.9	4.8	5.6	7.8	10.5	11.2	12.4	12.5	12.3	11.9	10.8	7.9
Special trade contractors	108.7	93.1	90.9	94.4	100.9	107.5	112.9	118.0	118.5	118.2	119.9	117.0	113.2
TRANSPORTATION AND PUBLIC UTILITIES	207.8	201.7	201.7	202.5	204.8	207.0	208.5	210.4	210.5	211.5	211.9	211.8	211.8
Railroad transportation	14.0	13.8	13.6	13.5	14.1	14.4	14.5	14.4	14.4	14.2	14.1	13.6	13.3
Transportation, except railroads	104.4	98.0	98.3	99.3	101.7	103.6	104.8	105.5	105.9	107.5	108.6	109.0	110.1
Trucking and warehousing	72.8	68.7	69.0	69.7	70.6	71.8	72.9	73.7	74.1	74.9	75.3	75.9	77.0
Communication, electric, gas services ..	89.5	89.9	89.7	89.7	89.0	89.0	89.2	90.6	90.2	89.8	89.3	89.1	88.5
Communication	47.5	48.3	48.2	48.1	47.2	47.1	47.1	47.7	47.3	47.4	47.2	47.2	46.7
Electric, gas, and sanitary services..	42.0	41.6	41.5	41.7	41.8	41.8	42.1	42.8	42.9	42.5	42.0	42.0	41.7
WHOLESALE TRADE	248.0	242.4	243.0	244.1	245.8	247.4	249.3	249.1	249.0	249.2	252.2	251.9	252.7
Wholesale trade-durable goods	156.2	152.3	152.9	153.4	154.7	155.9	157.0	157.3	157.3	157.3	158.7	158.7	159.0
Motor vehicles & automotive equipment..	21.6	21.3	21.3	21.3	21.5	21.7	21.9	21.7	21.6	21.6	21.9	21.9	21.9
Electrical goods	19.0	19.2	19.2	19.3	19.1	19.1	19.0	19.0	18.9	18.8	18.8	18.7	18.6
Machinery, equipment, and supplies ...	67.1	65.8	66.2	66.2	66.6	66.9	67.2	67.5	67.5	67.4	67.9	68.0	68.1
Wholesale trade-nondurable goods	91.8	90.1	90.1	90.7	91.1	91.5	92.3	91.8	91.7	91.8	93.6	93.2	93.7
Groceries and related products	29.1	28.3	28.2	28.4	28.5	28.7	29.4	29.1	29.2	29.4	30.2	30.1	30.3
RETAIL TRADE	848.3	818.5	811.7	818.6	831.0	846.2	852.0	852.5	856.7	858.0	862.8	877.7	893.9
General merchandise stores	119.2	120.1	114.7	114.6	114.5	115.4	115.1	115.8	116.9	117.7	121.1	129.3	135.1
Department stores	103.9	105.6	100.4	100.2	100.2	100.7	100.4	100.8	101.7	102.3	104.9	112.2	117.3
Food stores	132.3	128.2	128.1	128.2	129.3	130.7	131.5	132.4	132.1	134.0	134.8	137.5	140.7
Automobile dealers and service stations..	92.9	90.3	90.5	90.7	91.9	92.7	94.1	94.4	94.6	94.2	94.2	93.7	93.5
Apparel and accessory stores	42.0	41.4	40.1	40.2	40.5	40.9	40.9	40.9	41.9	42.1	43.0	44.7	47.2
Eating and drinking places	296.5	280.1	281.3	286.4	294.0	302.2	305.4	303.9	305.5	303.8	299.3	297.8	298.2

See footnotes at end of table.

RS-790-1-0 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987^a (continued)
(in thousands)

3.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	243.8	236.6	237.5	238.5	240.2	242.3	245.5	247.4	247.8	246.9	247.5	247.2	247.9
Banking	63.2	62.3	62.2	62.3	62.4	62.7	63.4	63.7	63.9	63.7	63.8	63.7	63.9
Credit agencies other than banks	37.4	36.4	36.5	36.6	37.1	37.3	37.7	38.0	37.9	37.7	37.6	37.6	37.8
Insurance carriers	68.4	66.7	67.2	67.6	67.4	67.9	68.4	68.8	69.0	69.1	69.5	69.8	69.8
Life insurance	25.7	25.7	25.8	25.8	25.7	25.7	25.9	25.5	25.5	25.6	25.8	25.8	25.9
Fire, marine, and casualty insurance..	30.2	29.1	29.3	29.6	29.5	29.7	30.0	30.7	30.7	30.7	30.7	30.9	30.8
SERVICES	1051.2	1003.5	1013.5	1021.8	1040.9	1052.8	1064.6	1066.5	1066.9	1074.8	1073.5	1069.0	1066.7
Hotels and other lodging places	34.6	31.8	32.0	32.3	33.5	34.7	36.2	36.7	37.0	36.1	35.4	35.0	34.8
Personal services	56.4	56.4	57.0	57.6	58.2	55.6	55.7	55.5	55.4	56.0	56.2	56.0	56.9
Laundry, cleaning, & garment services..	18.8	18.2	18.1	18.3	18.6	18.7	18.9	19.0	19.0	19.0	19.2	19.2	19.2
Business services	210.2	198.9	200.2	201.8	204.2	206.3	209.5	213.1	214.4	215.3	219.4	219.8	219.5
Services to buildings	29.8	28.3	28.5	28.6	29.0	29.5	29.9	30.2	30.6	30.7	30.7	30.9	30.9
Computer and data processing services..	19.3	18.7	19.0	18.7	18.4	18.6	19.0	19.4	19.5	19.8	20.1	20.4	20.8
Amusement and recreation services	41.0	28.1	28.6	30.5	38.2	47.2	53.5	53.8	53.8	51.9	38.3	34.6	33.3
Health services	360.2	351.8	352.9	354.4	356.0	357.1	359.7	362.8	363.9	364.1	366.2	366.0	367.3
Nursing and personal care facilities..	79.3	77.3	77.4	77.9	78.7	79.1	79.6	79.9	80.3	80.6	80.3	80.3	80.6
Hospitals	177.4	173.4	173.9	174.4	175.0	175.5	177.0	179.0	179.6	179.3	180.5	180.7	180.7
Educational services	60.9	61.6	65.6	64.9	64.5	61.4	56.2	50.7	49.9	60.2	65.2	66.4	64.4
Colleges and universities	33.0	33.7	37.2	36.2	35.8	32.6	28.4	25.6	25.1	32.5	36.4	37.2	35.2
GOVERNMENT	687.3	689.0	697.2	701.9	700.5	704.8	687.6	645.5	638.9	672.2	697.2	705.8	707.6
Federal government	94.8	94.3	94.0	94.1	94.7	94.6	95.2	95.2	95.5	95.0	94.3	94.9	95.9
State government	152.7	153.5	156.7	159.3	159.2	158.9	149.9	137.6	133.8	143.1	158.2	160.5	162.1
State government education ^d	78.7	80.5	84.5	85.8	84.9	85.1	74.5	61.9	57.3	68.6	85.1	87.5	88.9
State government, except education ...	74.0	73.0	72.2	73.5	74.2	73.8	75.3	75.7	76.5	74.5	73.1	73.0	73.2
Local government	439.8	441.2	446.5	448.5	446.6	451.2	442.6	412.7	409.6	434.1	444.7	450.4	449.6
Local government education	254.8	260.2	265.6	267.2	264.2	266.0	252.4	218.9	217.5	248.2	262.3	267.7	267.4
Local government, except education ...	185.0	180.9	180.9	181.3	182.4	185.2	190.1	193.8	192.1	185.8	182.4	182.7	182.2

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1983 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-0 (1987)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1988^a

1.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$12.00	\$11.86	\$11.86	\$11.91	\$12.02	\$12.01	\$12.05	\$11.88	\$11.91	\$12.05	\$12.08	\$12.17	\$12.20
Durable Goods ^b	12.41	12.23	12.27	12.31	12.43	12.42	12.48	12.25	12.30	12.48	12.51	12.62	12.62
Lumber and wood products	7.65	7.27	7.41	7.51	7.57	7.60	7.62	7.69	7.69	7.69	7.79	7.96	7.84
Furniture and fixtures	8.98	8.80	8.89	8.90	8.82	8.92	8.87	8.94	9.15	9.14	8.99	9.14	9.20
Stone, clay, and glass products	10.85	10.68	10.68	10.83	10.81	10.90	10.86	10.84	10.82	10.94	10.92	10.97	10.92
Glass and glassware, pressed or blown	11.69	11.66	11.64	11.63	11.70	11.66	11.61	11.75	11.72	11.85	11.84	11.61	11.59
Primary metal industries	13.89	13.71	13.72	13.75	13.94	13.92	13.96	13.74	13.85	14.00	14.00	14.03	13.99
Blast furnace and basic steel products	14.20	14.03	14.19	14.14	14.15	14.20	14.22	14.17	14.25	14.34	14.24	14.22	14.27
Iron and steel foundries	14.40	14.34	14.02	14.26	14.63	14.46	14.50	13.86	14.12	14.40	14.56	14.72	14.82
Nonferrous rolling and drawing	14.94	14.48	14.34	14.43	15.01	14.93	15.14	14.95	14.96	15.23	15.24	15.23	15.17
Fabricated metal products	11.99	11.77	11.89	11.93	12.09	12.02	12.14	11.82	11.84	11.99	12.05	12.13	12.14
Cutlery, hand tools, and hardware	12.04	11.83	11.72	11.69	12.13	12.06	12.21	11.82	11.88	12.08	12.06	12.40	12.51
Fabricated structural metal products	10.82	10.87	10.82	10.72	10.78	10.75	10.74	10.78	10.86	10.94	10.92	10.91	10.91
Metal forgings and stampings	14.38	14.02	14.28	14.34	14.48	14.34	14.59	14.11	14.17	14.37	14.45	14.61	14.68
Machinery, except electrical	12.02	11.74	11.82	11.92	12.06	12.05	12.10	11.90	11.82	12.06	12.18	12.25	12.27
Construction and related machinery	10.39	10.18	10.21	10.30	10.21	10.20	10.31	10.28	10.31	10.62	10.59	10.77	10.60
Metalworking machinery	11.40	11.39	11.39	11.30	11.34	11.25	11.27	11.29	11.28	11.42	11.54	11.62	11.64
Special industry machinery	11.46	11.41	11.30	11.30	11.48	11.45	11.47	11.55	11.34	11.66	11.50	11.46	11.57
General industrial machinery	12.59	12.16	12.35	12.33	12.69	12.77	12.76	12.36	12.41	12.59	12.60	12.84	13.08
Office and computing machines	10.58	10.04	10.08	10.22	10.44	10.21	10.59	10.80	10.97	10.95	10.84	10.88	11.08
Refrigeration and service machinery	13.99	13.42	13.53	14.03	14.26	14.46	14.53	13.78	13.47	13.86	14.31	14.16	13.92
Electric and electronic equipment	11.25	11.26	11.29	11.21	11.26	11.28	11.23	11.16	11.20	11.27	11.22	11.30	11.35
Electrical industrial apparatus	11.09	11.03	11.20	11.18	11.12	11.06	11.04	10.88	11.00	11.10	11.03	11.08	11.30
Household appliances	12.03	12.15	12.07	11.97	12.05	12.08	11.90	11.83	11.98	11.98	12.06	12.13	12.15
Electric lighting and wiring equipment	11.52	11.39	11.48	11.38	11.62	11.61	11.61	11.38	11.54	11.38	11.48	11.62	11.75
Communication equipment	11.76	11.70	11.78	11.75	11.84	11.94	11.85	11.72	11.63	11.72	11.61	11.67	11.85
Transportation equipment	15.14	14.79	14.79	15.00	15.06	15.00	15.21	14.91	15.05	15.36	15.38	15.52	15.59
Motor vehicles and equipment	15.65	15.24	15.20	15.43	15.63	15.51	15.75	15.36	15.56	15.93	15.96	16.08	16.11
Aircraft and parts	13.79	13.84	13.99	13.36	13.42	13.63	13.70	13.92	13.83	13.77	13.68	14.04	14.10
Instruments and related products	9.21	9.14	9.19	9.20	9.10	9.14	9.20	9.26	9.22	9.26	9.25	9.27	9.30
Measuring and controlling devices	9.28	9.21	9.30	9.35	9.18	9.22	9.25	9.32	9.30	9.24	9.27	9.33	9.35
Nondurable Goods ^c	11.03	10.98	10.92	10.97	11.04	11.00	11.01	11.04	11.01	11.05	11.06	11.09	11.18
Food and kindred products	10.62	10.61	10.61	10.70	10.68	10.59	10.55	10.65	10.76	10.48	10.46	10.68	10.70
Meat products	9.02	9.28	9.14	9.28	8.94	9.17	9.03	9.05	9.07	8.87	8.71	8.77	8.94
Dairy products	10.78	10.97	11.02	10.98	10.78	10.74	10.70	10.67	10.71	10.63	10.61	10.85	10.70
Preserved fruits and vegetables	11.04	10.74	11.09	11.06	11.31	11.05	11.15	11.11	11.38	10.37	10.83	11.29	11.42
Bakery products	11.78	11.77	11.70	11.74	11.81	11.72	11.73	11.74	11.79	11.82	11.77	11.91	11.89
Beverages	10.53	10.47	10.38	10.42	10.48	10.41	10.52	10.86	10.72	10.59	10.65	10.39	10.43
Apparel and other textile products	7.53	7.66	7.48	7.51	7.47	7.54	7.57	7.45	7.45	7.51	7.53	7.58	7.62

See footnotes at end of table.

RS-790-4-0 (1988)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1988^a (continued)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	\$11.23	\$11.21	\$11.08	\$11.10	\$11.23	\$11.08	\$11.23	\$11.25	\$11.20	\$11.41	\$11.35	\$11.27	\$11.37
Misc. converted paper products	10.04	10.19	9.91	9.93	10.18	9.85	10.00	10.34	10.00	10.05	10.04	9.93	10.06
Paperboard containers and boxes	10.17	10.14	10.03	10.06	10.08	10.13	10.23	10.11	10.27	10.32	10.26	10.19	10.28
Printing and publishing	11.30	11.19	11.21	11.29	11.22	11.36	11.25	11.26	11.31	11.43	11.35	11.33	11.42
Newspapers	10.85	10.55	10.66	10.62	10.73	10.84	10.79	10.85	10.86	11.07	11.03	11.03	11.20
Commercial printing	10.93	10.97	10.97	11.09	10.80	10.93	10.75	10.83	10.99	11.03	10.91	10.91	11.00
Chemicals and allied products	13.01	12.92	12.83	12.89	12.97	12.93	12.95	13.02	12.98	13.01	13.07	13.22	13.32
Industrial inorganic chemicals	13.51	13.60	13.52	13.52	13.49	13.47	13.44	13.39	13.50	13.50	13.40	13.64	13.71
Rubber and misc. plastics products	10.40	10.36	10.29	10.29	10.44	10.46	10.43	10.35	10.28	10.46	10.44	10.49	10.52
Tires and inner tubes	14.71	14.54	14.53	14.62	14.77	14.87	14.77	14.71	14.79	14.79	14.64	14.68	14.83
Miscellaneous plastics products	10.06	9.99	9.91	9.93	10.12	10.10	10.09	9.98	9.87	10.13	10.10	10.16	10.27
MINING	12.62	12.56	12.64	12.63	12.63	12.41	12.40	12.47	12.67	12.72	12.71	12.81	12.82
Bituminous coal and lignite mining	15.60	15.35	15.27	15.48	15.49	15.31	15.38	15.57	15.83	15.79	15.81	15.89	16.04
CONSTRUCTION	15.01	15.02	15.04	14.85	14.64	14.82	14.93	15.01	15.03	15.15	15.17	15.14	15.16
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.90	13.75	13.67	13.84	13.75	13.79	13.81	13.91	14.08	14.09	14.03	14.11	13.97
Communication	13.59	13.46	13.46	13.50	13.45	13.41	13.47	13.52	13.85	13.84	13.69	13.81	13.58
Electric, gas, and sanitary services..	14.26	14.08	13.91	14.23	14.10	14.23	14.19	14.35	14.34	14.38	14.43	14.46	14.41
WHOLESALE TRADE	10.01	9.78	9.88	9.88	9.90	9.90	10.00	10.02	10.05	10.14	10.18	10.16	10.18
Wholesale trade-durable goods	9.83	9.60	9.69	9.69	9.76	9.73	9.87	9.83	9.86	9.96	9.97	9.97	9.96
Wholesale trade-nondurable goods	10.31	10.08	10.19	10.20	10.15	10.19	10.22	10.34	10.37	10.43	10.52	10.47	10.55
RETAIL TRADE ^d	5.83	5.80	5.78	5.83	5.82	5.79	5.77	5.80	5.77	5.84	5.85	5.90	5.94
General merchandise stores	6.28	6.28	6.22	6.26	6.28	6.25	6.25	6.32	6.23	6.37	6.35	6.29	6.25
Department stores	6.41	6.42	6.35	6.40	6.41	6.39	6.38	6.45	6.38	6.49	6.49	6.42	6.38
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.25	10.21	10.21	10.20	10.21	10.18	10.19	10.23	10.21	10.28	10.27	10.36	10.41

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1988^a

1.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.0	42.8	42.4	42.7	43.0	43.0	43.3	42.3	42.4	43.3	43.3	43.7	43.8
Durable Goods ^b	43.4	43.1	42.8	43.1	43.3	43.5	43.9	42.6	42.7	43.7	43.7	44.2	44.2
Lumber and wood products	41.2	39.1	38.9	40.6	41.3	41.3	41.7	41.6	41.5	41.9	42.1	42.5	40.7
Furniture and fixtures	41.0	40.8	40.1	40.6	40.2	40.7	40.5	41.1	41.8	41.8	40.8	41.7	41.8
Stone, clay, and glass products	42.7	42.0	42.5	42.9	42.5	43.0	43.2	42.3	42.3	43.0	42.9	43.2	42.4
Glass and glassware, pressed or blown	42.1	40.4	41.1	42.2	42.3	42.1	42.3	42.2	43.0	44.2	43.0	42.4	40.5
Primary metal industries	45.1	44.8	44.5	44.5	45.3	45.5	46.0	44.2	44.7	45.2	44.9	45.6	45.5
Blast furnace and basic steel products	45.6	45.7	46.0	45.7	45.8	46.2	46.9	45.8	45.6	45.2	44.7	44.8	45.1
Iron and steel foundries	45.5	45.6	43.9	44.5	45.9	45.8	46.1	42.6	44.5	45.7	46.0	47.3	47.6
Nonferrous rolling and drawing	42.6	42.0	41.2	40.9	43.5	43.2	43.2	41.2	41.6	43.4	43.4	44.1	43.1
Fabricated metal products	43.1	43.0	42.8	42.7	43.3	43.1	43.8	42.2	42.3	43.2	43.4	43.8	43.8
Cutlery, hand tools, and hardware	41.0	40.2	40.7	40.6	41.1	41.0	41.7	40.0	40.7	41.7	40.7	41.7	41.6
Fabricated structural metal products	42.1	43.3	41.4	40.8	42.0	41.6	42.5	42.5	42.5	42.0	42.4	42.2	42.4
Metal forgings and stampings	44.6	43.2	44.2	44.5	45.6	45.2	46.0	43.1	43.5	44.4	44.6	45.3	44.9
Machinery, except electrical	43.8	43.2	43.3	43.5	43.8	43.7	43.9	43.5	43.0	44.0	44.1	44.5	44.8
Construction and related machinery	41.1	41.7	41.0	40.9	40.8	40.1	41.2	41.8	41.8	40.9	40.7	42.0	40.8
Metalworking machinery	44.5	43.7	44.0	44.0	44.1	44.0	44.3	44.8	44.1	45.0	45.0	45.2	45.9
Special industry machinery	44.7	43.6	43.9	43.5	44.0	44.8	45.1	45.3	43.1	46.0	45.3	45.8	45.5
General industrial machinery	43.4	42.9	43.3	43.0	44.2	43.8	43.5	42.4	42.1	43.5	43.0	43.7	45.7
Office and computing machines	41.6	42.5	41.4	41.4	40.4	40.9	40.9	42.6	42.3	41.9	41.8	41.2	42.5
Refrigeration and service machinery	43.5	42.4	41.8	43.4	43.8	45.1	45.6	42.9	42.2	43.7	44.9	44.4	42.2
Electric and electronic equipment	42.0	42.7	42.3	42.0	42.0	41.6	42.0	41.0	41.5	42.1	41.9	42.3	42.7
Electrical industrial apparatus	43.9	44.2	45.0	44.1	43.0	42.1	43.7	42.7	44.5	44.3	44.1	44.0	44.5
Household appliances	40.7	42.2	41.2	39.9	40.6	40.6	40.3	40.1	40.2	40.7	40.3	41.5	41.2
Electric lighting and wiring equipment	41.8	42.8	42.0	41.9	42.2	41.5	42.1	40.3	41.1	41.5	41.7	42.1	42.5
Communication equipment	40.8	41.1	41.0	41.6	41.8	42.2	40.7	41.2	39.8	40.8	39.6	39.4	41.0
Transportation equipment	44.6	43.9	43.3	44.2	44.0	45.2	45.4	42.9	43.4	45.5	45.5	46.2	46.3
Motor vehicles and equipment	45.1	43.8	42.9	44.5	45.0	45.9	46.1	42.9	43.9	46.3	46.1	46.9	47.1
Aircraft and parts	43.6	45.3	45.3	43.5	41.0	43.0	43.5	43.2	41.7	43.5	43.8	44.7	44.9
Instruments and related products	40.0	39.5	39.3	39.9	39.3	39.3	39.9	40.0	39.7	40.4	40.7	40.7	41.0
Measuring and controlling devices	38.8	38.4	38.2	39.3	38.3	38.2	38.0	38.5	38.3	39.2	39.4	39.6	40.5
Nondurable Goods ^c	42.2	42.3	41.6	42.0	42.2	41.9	42.2	41.8	41.8	42.5	42.3	42.6	42.9
Food and kindred products	42.0	42.5	41.3	41.6	41.5	41.2	41.6	42.0	42.4	42.6	42.1	42.4	42.7
Meat products	41.1	41.7	39.1	41.1	39.7	41.7	40.7	41.4	40.9	41.1	41.7	41.4	42.6
Dairy products	43.0	43.4	43.3	43.1	42.3	42.1	43.3	43.6	42.8	42.9	42.4	44.0	43.4
Preserved fruits and vegetables	42.0	41.4	40.8	39.9	42.1	40.2	41.7	41.4	43.2	44.5	42.6	42.4	42.8
Bakery products	39.8	40.4	40.1	39.6	39.2	39.6	40.1	39.8	39.6	39.3	39.8	40.6	39.7
Beverages	41.3	41.1	40.6	40.5	40.7	40.7	41.9	43.3	42.4	41.6	41.4	40.5	41.2
Apparel and other textile products	40.0	39.1	38.7	40.1	39.8	40.2	39.9	39.3	39.2	40.6	41.0	41.5	40.7

See footnotes at end of table.

RS-790-4-0 (1988)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1988^a (continued)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	44.3	44.6	43.8	43.8	44.8	43.9	44.4	44.1	43.3	45.1	43.9	44.3	45.5
Misc. converted paper products	43.5	43.6	42.3	42.9	43.2	43.3	42.7	44.9	43.3	44.5	42.9	43.8	44.4
Paperboard containers and boxes	43.2	43.6	43.2	42.5	43.6	43.4	43.4	42.4	41.7	43.8	42.9	43.5	44.0
Printing and publishing	39.4	38.8	38.7	39.6	39.3	39.2	39.2	39.1	39.4	39.6	39.5	39.7	40.6
Newspapers	34.4	34.0	33.1	34.4	34.5	34.6	34.8	34.2	34.1	34.6	34.6	35.2	35.2
Commercial printing	40.8	39.7	40.3	41.5	40.8	40.2	40.1	39.9	40.9	41.5	41.2	41.3	42.5
Chemicals and allied products	42.5	42.7	41.9	42.4	42.3	41.8	42.7	42.6	42.3	42.7	42.4	42.9	42.9
Industrial inorganic chemicals	43.8	43.9	43.3	43.6	43.9	43.7	44.1	42.4	43.7	44.0	44.9	44.8	43.6
Rubber and misc. plastics products	43.1	43.3	42.9	42.8	43.4	43.3	43.3	42.0	42.3	43.4	43.5	43.8	43.7
Tires and inner tubes	46.3	47.3	47.0	46.3	46.4	47.1	46.3	45.9	46.1	46.3	45.6	45.4	45.8
Miscellaneous plastics products	42.8	42.7	42.5	42.4	43.1	42.9	43.0	41.4	41.9	43.1	43.4	43.6	43.8
MINING	43.1	44.4	42.8	42.6	42.7	42.6	43.4	43.0	43.5	43.2	43.2	43.1	42.7
Bituminous coal and lignite mining	42.0	44.9	43.2	42.8	42.1	41.3	41.4	40.5	42.5	40.9	41.6	41.3	41.9
CONSTRUCTION	39.1	37.0	37.0	37.7	38.3	38.7	39.5	40.0	39.7	39.9	40.7	39.9	38.9
TRANSPORTATION AND PUBLIC UTILITIES	40.8	40.7	40.3	40.8	40.7	40.7	40.6	41.2	41.4	41.1	40.7	40.9	40.7
Communication, electric, gas services ..	40.1	39.8	39.7	39.8	39.7	39.9	40.0	40.5	41.0	40.7	40.1	40.3	40.0
Communication	41.7	41.7	41.1	41.9	41.9	41.7	41.4	42.1	41.9	41.5	41.5	41.7	41.5
Electric, gas, and sanitary services ..	39.1	39.1	38.9	39.0	39.1	39.2	39.0	39.1	39.0	39.0	39.2	39.1	39.3
WHOLESALE TRADE	39.1	39.3	39.2	39.1	39.2	39.2	39.1	39.2	39.1	38.9	39.0	39.1	39.3
Wholesale trade-durable goods	39.0	38.7	38.5	38.7	38.8	39.2	38.9	39.0	38.9	39.2	39.6	39.2	39.3
Wholesale trade-nondurable goods	28.6	27.8	27.8	28.1	28.3	28.3	28.9	29.3	29.2	28.7	28.6	28.5	29.4
RETAIL TRADE	28.4	27.3	27.0	27.5	28.2	28.3	28.7	28.9	28.6	28.4	28.2	28.5	31.3
General merchandise stores	28.6	27.4	27.0	27.6	28.3	28.4	28.8	29.0	28.8	28.6	28.4	28.6	31.6
Department stores	33.2	33.1	33.0	33.1	33.1	33.1	33.2	33.6	33.3	33.4	33.2	33.0	32.8
SERVICES	33.2	33.1	33.0	33.1	33.1	33.1	33.2	33.6	33.3	33.4	33.2	33.0	32.8
Health services	33.2	33.1	33.0	33.1	33.1	33.1	33.2	33.6	33.3	33.4	33.2	33.0	32.8
Hospitals	33.2	33.1	33.0	33.1	33.1	33.1	33.2	33.6	33.3	33.4	33.2	33.0	32.8

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1988^a

1.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$516.00	\$507.61	\$502.86	\$508.56	\$516.86	\$516.43	\$521.77	\$502.52	\$504.98	\$521.77	\$523.06	\$531.83	\$534.36
Durable Goods ^b	538.59	527.11	525.16	530.56	538.22	540.27	547.87	521.85	525.21	545.38	546.69	557.80	557.80
Lumber and wood products	315.18	284.26	288.25	304.91	312.64	313.88	317.75	319.90	319.14	322.21	327.96	338.30	319.09
Furniture and fixtures	368.18	359.04	356.49	361.34	354.56	363.04	359.24	367.43	382.47	382.05	366.79	381.14	384.56
Stone, clay, and glass products	463.30	448.56	453.90	464.61	459.43	468.70	469.15	458.53	457.69	470.42	468.47	473.90	463.01
Glass and glassware, pressed or blown	492.15	471.06	478.40	490.79	494.91	490.89	491.10	495.85	503.96	523.77	509.12	492.26	469.40
Primary metal industries	626.44	614.21	610.54	611.88	631.48	633.36	642.16	607.31	619.10	632.80	628.60	639.77	636.55
Blast furnace and basic steel products	647.52	641.17	652.74	646.20	648.07	656.04	666.92	648.99	649.80	648.17	636.53	637.06	643.58
Iron and steel foundries	655.20	653.90	615.48	634.57	671.52	662.27	668.45	590.44	628.34	658.08	669.76	696.26	705.43
Nonferrous rolling and drawing	636.44	608.16	590.81	590.19	652.94	644.98	654.05	615.94	622.34	660.98	661.42	671.64	653.83
Fabricated metal products	516.77	506.11	508.89	509.41	523.50	518.06	531.73	498.80	500.83	517.97	522.97	531.29	531.73
Cutlery, hand tools, and hardware	493.64	475.57	477.00	474.61	498.54	494.46	509.16	472.80	483.52	503.74	490.84	517.08	520.42
Fabricated structural metal products ..	455.52	470.67	447.95	437.38	452.76	447.20	456.45	458.15	456.45	456.12	463.86	460.82	462.58
Metal forgings and stampings	641.35	605.66	631.18	638.13	660.29	648.17	671.14	608.14	616.40	638.03	644.47	661.83	659.13
Machinery, except electrical	526.48	507.17	511.81	518.52	528.23	526.59	531.19	517.65	508.26	530.64	537.14	545.13	549.70
Construction and related machinery ...	427.03	424.51	418.61	421.27	416.57	409.02	424.77	429.70	430.96	434.36	431.01	452.34	432.48
Metalworking machinery	507.30	497.74	501.16	497.20	500.09	495.00	499.26	505.79	497.45	513.90	519.30	525.22	534.28
Special industry machinery	512.26	497.48	496.07	491.55	505.12	512.96	517.30	523.22	488.75	536.36	520.95	524.87	526.44
General industrial machinery	546.41	521.66	534.76	530.19	560.90	559.33	555.06	524.06	522.46	547.67	541.80	561.11	597.76
Office and computing machines	440.13	426.70	417.31	423.11	421.78	417.59	433.13	460.08	464.03	458.81	453.11	448.26	470.90
Refrigeration and service machinery...	608.57	569.01	565.55	608.90	624.59	652.15	662.57	591.16	568.43	605.68	642.52	628.70	587.42
Electric and electronic equipment	472.50	480.80	477.57	470.82	472.92	469.25	471.66	457.56	464.80	474.47	470.12	477.99	484.65
Electrical industrial apparatus	486.85	487.53	504.00	493.04	478.16	465.63	482.45	464.58	489.50	491.73	486.42	487.52	502.85
Household appliances	489.62	512.73	497.28	477.60	489.23	490.45	479.57	474.38	481.60	487.59	486.02	503.40	500.58
Electric lighting and wiring equipment ..	481.54	487.49	482.16	476.82	490.36	481.82	488.78	458.61	474.29	472.27	478.72	489.20	499.38
Communication equipment	479.81	480.87	482.98	488.80	494.91	503.87	482.30	482.86	462.87	478.18	459.76	459.80	485.85
Transportation equipment	675.24	649.28	640.41	663.00	662.64	678.00	690.53	639.64	653.17	698.88	699.79	717.02	721.82
Motor vehicles and equipment	706.27	667.51	652.08	688.86	703.35	711.91	726.08	658.94	683.08	737.56	735.76	754.15	758.78
Aircraft and parts	601.24	626.95	633.75	581.16	550.22	586.09	595.95	601.34	576.71	599.00	599.18	627.59	633.09
Instruments and related products	368.40	361.03	361.17	367.08	357.63	359.20	367.08	370.40	366.03	374.10	376.48	377.29	381.30
Measuring and controlling devices	360.06	353.66	355.26	367.46	351.59	352.20	351.50	359.21	356.19	362.21	365.24	369.47	378.68
Nondurable Goods^c	465.47	464.45	454.27	460.74	465.89	460.90	464.62	461.47	460.22	469.63	467.84	472.43	479.62
Food and kindred products	446.04	450.93	438.19	445.12	443.22	436.31	438.88	447.30	456.22	446.45	440.37	452.83	456.89
Meat products	370.72	386.98	357.37	381.41	354.92	382.39	367.52	374.67	370.96	364.56	363.21	363.08	380.84
Dairy products	463.54	476.10	477.17	473.24	455.99	452.15	463.31	465.21	458.39	456.03	449.86	477.40	464.38
Preserved fruits and vegetables	463.68	444.64	452.47	441.29	476.15	444.21	464.96	459.95	461.62	461.47	461.36	478.70	488.78
Bakery products	468.84	475.51	469.17	464.90	462.95	464.11	470.37	467.25	466.88	464.53	468.45	483.55	472.03
Beverages	434.89	430.32	421.43	422.01	426.54	423.69	440.79	470.24	454.53	440.54	440.91	420.80	429.72
Apparel and other textile products	301.20	299.51	289.48	301.15	297.31	303.11	302.04	292.79	292.04	304.91	308.73	314.57	310.13

See footnotes at end of table.

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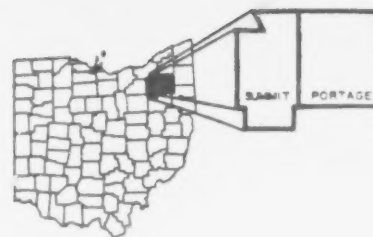
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1988^a (continued)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	\$497.49	\$499.97	\$485.30	\$486.18	\$503.10	\$486.41	\$498.61	\$496.13	\$484.96	\$514.59	\$498.27	\$499.26	\$517.34
Misc. converted paper products	436.74	444.28	419.19	426.00	439.78	426.51	427.00	464.27	433.00	447.23	430.72	434.93	446.66
Paperboard containers and boxes	439.34	442.10	433.30	427.55	439.49	439.64	443.98	428.66	428.26	452.02	440.15	443.27	452.32
Printing and publishing	445.22	434.17	433.83	447.08	440.95	445.31	441.00	440.27	445.61	452.63	448.33	449.80	463.65
Newspapers	373.24	358.70	352.85	365.33	370.19	375.06	375.49	371.07	370.33	383.02	381.64	388.26	394.24
Commercial printing	445.94	435.51	442.09	460.24	440.64	439.39	431.08	432.12	449.49	457.75	449.49	450.58	467.50
Chemicals and allied products	552.93	551.68	537.58	546.54	548.63	540.47	552.97	554.65	549.05	555.53	554.17	567.14	571.43
Industrial inorganic chemicals	591.74	597.04	585.42	589.47	592.21	588.64	592.70	567.74	589.95	594.00	601.66	611.07	597.76
Rubber and misc. plastics products	448.24	448.59	441.44	440.41	453.10	452.92	451.62	434.70	434.84	453.96	454.14	459.46	459.72
Tires and inner tubes	681.07	687.74	682.91	676.91	685.33	700.38	683.85	675.19	681.82	684.78	667.58	666.47	679.21
Miscellaneous plastics products	430.57	426.57	421.18	421.03	436.17	433.29	433.87	413.17	413.55	436.60	438.34	442.98	449.83
MINING	543.92	557.66	540.99	538.04	539.30	528.67	538.16	536.21	551.15	549.50	549.07	552.11	547.41
Bituminous coal and lignite mining	655.20	689.22	659.66	662.54	652.13	632.30	636.73	630.59	672.78	645.81	657.70	656.26	672.08
CONSTRUCTION	586.89	555.74	556.48	559.85	560.71	573.53	589.74	600.40	596.69	604.49	617.42	604.09	589.72
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	567.12	559.63	550.90	564.67	559.63	561.25	560.69	573.09	582.91	579.10	571.02	577.10	568.58
Communication	544.96	535.71	534.36	537.30	533.97	535.06	538.80	547.56	567.85	563.29	548.97	556.54	543.20
Electric, gas, and sanitary services..	594.64	587.14	571.70	596.24	590.79	593.39	587.47	604.14	600.85	596.77	598.85	602.98	598.02
WHOLESALE TRADE	391.39	382.40	384.33	385.32	387.09	388.08	390.00	391.78	391.95	395.46	399.06	397.26	400.07
Wholesale trade-durable goods	384.35	377.28	379.85	378.88	382.59	381.42	385.92	385.34	385.53	387.44	388.83	389.83	391.43
Wholesale trade-nondurable goods	402.09	390.10	392.32	394.74	393.82	399.45	397.56	403.26	403.39	408.86	416.59	410.42	414.62
RETAIL TRADE ^d	166.74	161.24	160.68	163.82	164.71	163.86	166.75	169.94	168.48	167.61	167.31	168.15	174.64
General merchandise stores	178.35	171.44	167.94	172.15	177.10	176.88	179.38	182.65	178.18	180.91	179.07	179.27	195.63
Department stores	183.33	175.91	171.45	176.64	181.40	181.48	183.74	187.05	183.74	185.61	184.32	183.61	201.61
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	266.18	264.30	262.79	264.66	266.61	265.10	268.99	268.94	267.91	265.37	266.06	265.30	268.05
Credit agencies other than banks	268.50	258.86	262.23	258.10	264.15	266.94	268.47	274.43	276.60	272.19	272.34	272.27	275.14
Insurance carriers	372.34	361.50	364.27	368.03	372.02	371.47	371.02	371.48	372.50	376.59	378.13	377.53	383.22
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	340.30	337.95	336.93	337.62	337.95	336.96	338.31	343.73	339.99	343.35	340.96	341.88	341.45

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes miscellaneous manufacturing. ^cIncludes tobacco manufacturers; textile mill products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

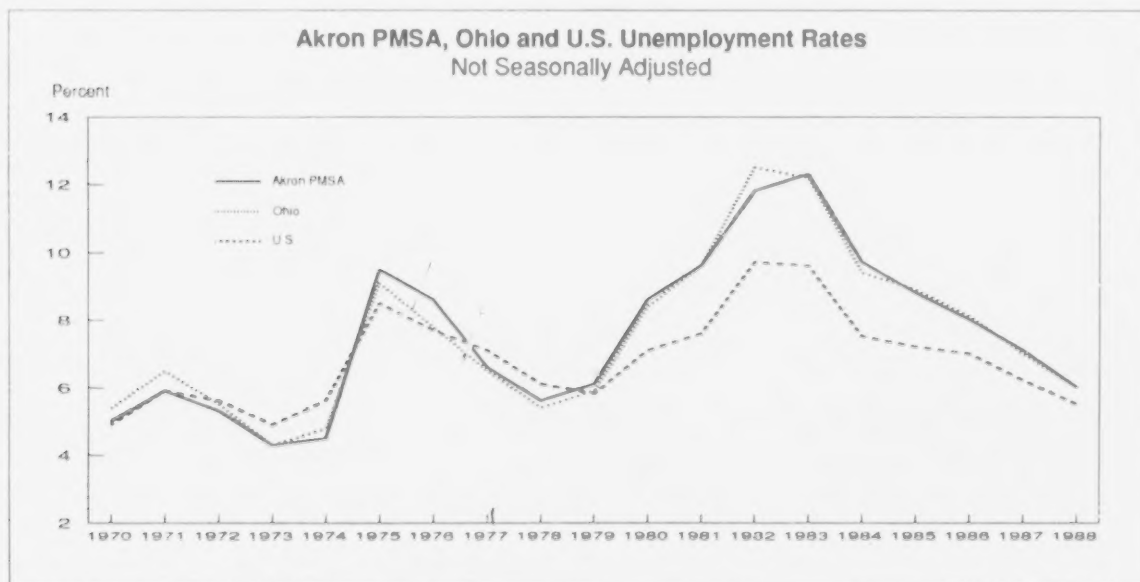
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



The estimated annual average civilian labor force in the Akron metropolitan area, distributed by place of residence, advanced 5,000 from 1987 to 325,300 in 1988. Total employment gained 8,100 over the year to 305,600, while unemployment recorded a decrease of 3,000. The unemployment rate dropped from 7.1 percent in 1987 to 6.0 percent in 1988. (See table, page 39, top.)

Total nonfarm payroll employment, at 271,900 in 1988, rose 2.6 percent from the 1987 level. Growth in nonmanufacturing industries created 7,500 jobs. Significant expansion occurred in services (+3,500) and retail trade (+1,800). The manufacturing workforce declined 700 over the year. A major reduction in rubber and miscellaneous plastics products, especially tires and inner tubes (-2,000), and less business in fabricated metal products were partially offset by gains in nonelectrical machinery and chemicals and allied products.

Nonagricultural wage and salary employment in the Akron area advanced 27,300 since the 1979-1983 recessionary period. Improvement in the nonmanufacturing sector contributed 97.8 percent of the gain. Primary growth industries were services and retail trade. Manufacturing employment recovered 2.7 percent of jobs lost during the economic downturn, due to scattered increases in durable-goods industries, especially nonelectrical machinery. Rubber and miscellaneous plastics products, particularly tires and inner tubes, and fabricated metal products continued their downward trend at an accelerated rate. (See table, page 39, bottom.)



Akron PMSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employee and Unemployed In Thousands)

Civilian Labor Force						Nonagricultural Wage & Salary Employment			
Employment						Manufacturing			
Unemployment						Nonmfg			
Unemployment Rate ^b									

^aCivilian labor force estimates are based on place of residence.

Nonagricultural wage and salary employment estimates are based on place of work.

^bUnemployment as percent of civilian labor force.

Nonagricultural Wage and Salary Employment in Selected Industries
in the Akron Primary Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

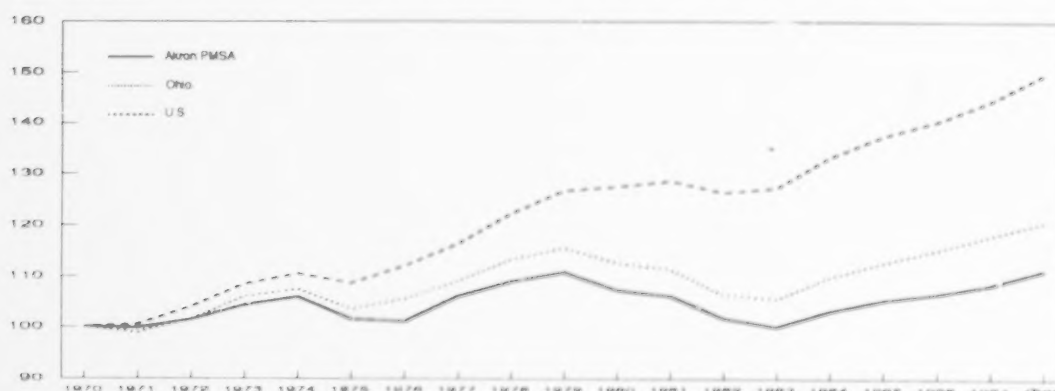
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983 -		PMSA	Ohio
				1983	1988		
TOTAL	270.9	244.7	271.9	-26.2	27.3	104.0	150.5
Manufacturing	85.6	65.2	65.8	-20.4	.6	2.7	11.7
Durable Goods	41.8	32.7	33.8	-9.1	1.1	11.9	7.8
Fabricated Metal Products	16.3	12.3	10.9	-4.0	-1.4	-	7.2
Machinery, Except Electrical	13.0	8.5	9.5	-4.4	1.0	21.6	6.3
Nondurable Goods	43.9	32.5	32.0	-11.4	-.5	-	29.0
Rubber and Misc. Plastics Products	31.6	21.6	19.2	-10.0	-2.4	-	33.8
Tires and Inner Tubes	24.7	15.5	10.4	-9.2	-5.1	-	-
Construction	9.2	6.9	9.7	-2.3	2.8	120.0	101.3
Transportation and Public Utilities	15.2	12.5	12.9	-2.6	.4	14.8	38.7
Wholesale Trade	11.9	11.9	14.4	.0	2.5	+	308.7
Retail Trade	46.2	45.3	53.4	-.9	8.1	876.5	527.1
Finance, Insurance, and Real Estate	9.4	9.1	10.7	-.3	1.5	563.9	+
Services	49.7	52.3	61.3	2.7	9.0	+	+
Government	43.2	40.7	43.1	-2.5	2.4	94.4	227.4
State Government	12.4	13.1	14.8	.7	1.8	+	+
Local Government	28.7	25.5	25.8	-3.1	.3	8.5	107.2

+ No Downturn, 1979 - 1983.

- No Upturn, 1983 - 1988.

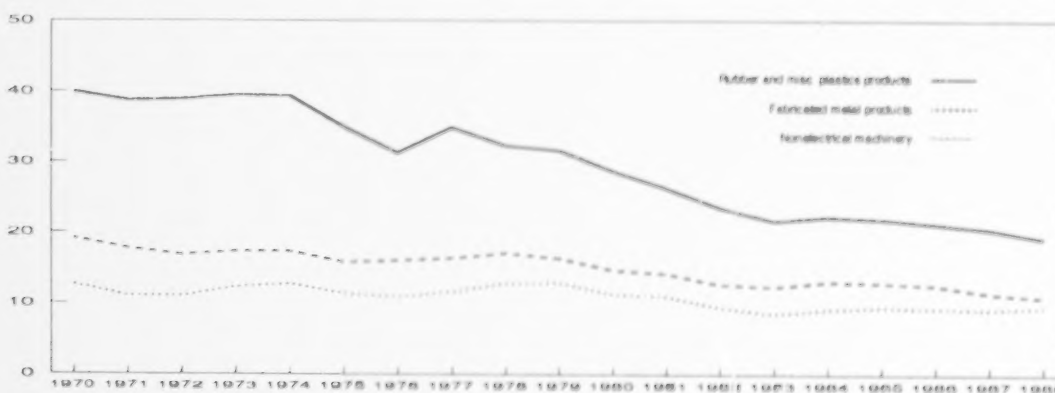
Indexes of Total Nonagricultural Wage and Salary Employment

Index (1970=100)



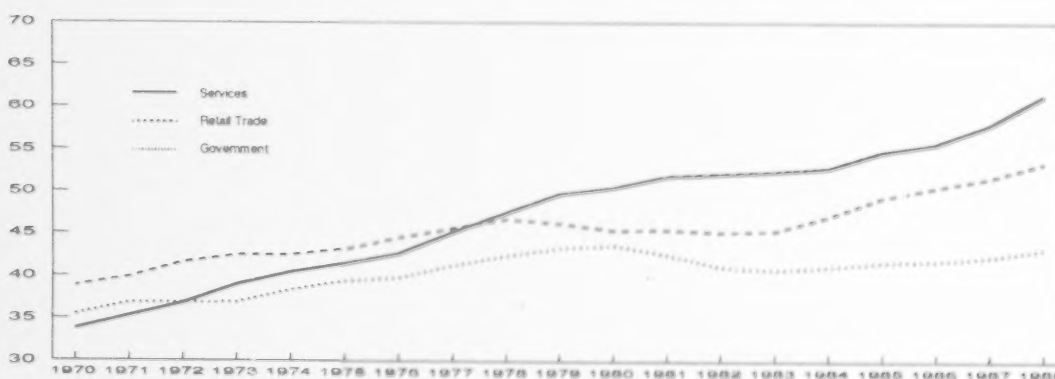
Akron PMSA Nonagricultural Employment (Selected Manufacturing Industries)

Thousands



Akron PMSA Nonagricultural Employment (Selected Nonmanufacturing Industries)

Thousands



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON MSA, 1988^a
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	271.9	260.1	264.7	268.3	270.8	273.8	270.4	270.6	269.0	276.8	277.2	281.7	279.7
MANUFACTURING	65.8	65.0	65.0	65.7	65.7	65.8	66.4	66.0	64.8	65.4	65.4	67.0	66.6
Durable Goods ^b	33.8	33.3	33.5	34.1	34.1	34.0	34.3	34.1	32.6	33.1	33.2	34.7	34.7
Fabricated metal products	10.9	10.5	10.8	11.2	11.1	11.3	11.3	11.1	9.6	10.9	11.0	11.1	11.0
Machinery, except electrical	9.5	9.2	9.1	9.2	9.3	9.2	9.5	9.5	9.6	9.8	9.8	9.8	9.9
Metalworking machinery	3.3	3.3	3.2	3.2	3.2	3.3	3.4	3.3	3.4	3.4	3.4	3.4	3.5
Nondurable Goods ^c	32.0	31.6	31.5	31.7	31.8	31.9	32.1	32.0	32.3	32.2	32.2	32.3	31.9
Food and kindred products	2.9	2.9	2.8	2.8	2.9	2.9	3.0	3.0	3.0	2.9	2.9	2.9	2.9
Chemicals and allied products	3.6	3.7	3.7	3.7	3.8	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5
Rubber and misc. plastics products	19.2	19.0	19.0	19.0	19.1	19.2	19.3	19.1	19.2	19.3	19.4	19.5	19.3
Tires and inner tubes	10.4	10.5	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.4	10.4	10.5
NONMANUFACTURING^d	206.2	195.1	199.7	202.5	204.9	208.0	203.9	204.6	204.2	211.4	211.8	214.7	213.1
CONSTRUCTION	9.7	7.8	7.8	8.0	8.9	9.7	10.2	10.7	10.8	10.9	10.9	10.6	10.0
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.6	12.6	12.7	12.8	12.8	13.0	13.1	13.1	13.1	13.1	13.2	13.2
Communication, electric, gas services ..	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
WHOLESALE TRADE	14.4	14.1	14.1	14.0	14.1	14.3	14.5	14.5	14.5	14.6	14.8	14.9	14.9
RETAIL TRADE	53.4	51.7	51.3	51.8	52.4	52.8	53.3	53.5	53.7	54.0	54.7	55.4	56.1
General merchandise stores	6.6	6.7	6.3	6.2	6.1	6.2	6.3	6.5	6.4	6.5	6.7	7.4	7.7
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.5	10.5	10.6	10.6	10.7	10.7	10.9	10.8	10.7	10.7	10.7	10.6
Banking	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.0	3.1
SERVICES	61.3	57.6	58.1	59.4	60.6	62.1	63.1	63.2	63.2	63.3	61.9	61.7	61.9
Business services	13.0	11.7	11.9	12.8	12.9	13.0	13.1	13.3	13.4	13.5	13.5	13.4	13.6
Amusement and recreation services	3.2	2.3	2.4	2.5	2.9	3.7	4.1	4.2	4.1	4.0	2.8	2.7	2.8
Health services	20.1	19.7	19.7	19.8	19.8	19.9	20.1	20.1	20.3	20.3	20.3	20.3	20.4
GOVERNMENT	43.1	40.2	44.8	45.4	45.0	45.0	38.5	38.1	37.4	44.1	45.1	47.7	45.7
State government	14.8	12.1	16.3	16.7	16.6	16.4	10.9	11.0	10.6	16.2	17.0	17.1	17.2
State government education	11.9	9.2	13.4	13.7	13.6	13.4	7.8	7.9	7.5	13.2	14.1	14.2	14.3
State government, except education ...	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.0	2.9	2.9	2.9
Local government	25.8	25.7	26.0	26.2	26.0	26.2	25.2	24.7	24.3	25.5	25.6	28.2	26.0
Local government education	14.2	14.4	14.7	14.9	14.7	14.8	13.3	12.7	12.5	14.3	14.5	14.9	14.9
Local government, except education ...	11.6	11.3	11.3	11.4	11.3	11.4	11.9	12.0	11.8	11.3	11.2	13.2	11.1

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-1 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1987^a
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	265.1	258.9	259.6	260.1	262.7	266.2	262.4	263.6	263.1	269.3	270.8	271.7	272.4
MANUFACTURING	66.4	66.7	66.3	66.0	66.2	66.2	66.5	66.3	66.1	66.3	66.7	66.9	66.9
Durable Goods ^b	34.0	34.2	34.1	34.0	34.2	34.2	34.1	33.6	33.5	33.7	34.2	34.4	34.4
Fabricated metal products	11.5	11.8	11.7	11.5	11.6	11.5	11.5	11.4	11.3	11.3	11.5	11.4	11.3
Machinery, except electrical	9.2	9.2	9.2	9.2	9.3	9.3	9.2	9.2	9.1	9.1	9.2	9.2	9.2
Metalworking machinery	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3
Non-durable Goods ^c	32.4	32.5	32.3	32.0	32.0	32.0	32.4	32.7	32.5	32.6	32.5	32.4	32.5
Food and kindred products	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	2.9	2.9	2.9	2.9
Chemicals and allied products	3.3	2.9	2.9	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.7	3.8
Rubber and misc. plastics products	20.5	21.4	21.1	20.8	20.7	20.4	20.5	20.5	20.3	20.3	20.0	19.9	19.8
Tires and inner tubes	12.5	13.7	13.4	13.2	12.9	12.7	12.6	12.5	12.2	12.0	11.6	11.4	11.2
NONMANUFACTURING^d	198.7	192.3	193.3	194.0	196.5	200.0	195.9	197.4	197.1	203.0	204.1	204.8	205.5
CONSTRUCTION	9.1	7.5	7.3	7.5	8.2	9.0	9.4	10.1	10.1	10.1	10.2	10.3	9.6
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.8	12.8	12.8	12.8	12.7	12.8	12.9	12.8	12.8	12.9	12.9	12.8
Communication, electric, gas services ..	5.2	5.4	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9
WHOLESALE TRADE	14.0	13.6	13.6	13.6	13.8	13.9	14.0	13.9	14.0	14.0	14.4	14.3	14.3
RETAIL TRADE	51.6	50.5	50.2	50.4	50.7	51.4	51.7	51.7	51.7	51.8	52.1	53.1	53.9
General merchandise stores	6.4	6.7	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.6	7.3	7.5
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.3	10.4	10.4	10.4	10.5	10.6	10.7	10.7	10.7	10.7	10.7	10.7
Banking	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
SERVICES	57.8	54.4	54.9	54.9	56.2	57.8	59.1	60.0	60.2	60.5	58.8	58.3	58.7
Business services	11.1	10.4	10.5	10.4	10.7	10.8	11.1	11.5	11.3	11.4	11.8	11.8	12.0
Amusement and recreation services	3.4	2.4	2.5	2.5	2.9	3.8	4.3	4.7	5.0	5.0	2.8	2.5	2.7
Health services	19.3	18.6	18.8	18.8	18.9	19.0	19.3	19.5	19.7	19.8	19.8	19.6	19.7
GOVERNMENT	42.2	42.6	43.5	43.9	43.9	44.2	37.9	37.5	36.9	42.5	44.4	44.7	44.9
State government	14.4	14.6	15.5	15.7	15.6	15.7	10.7	10.8	10.3	14.9	16.3	16.4	16.5
State government education	11.4	11.7	12.6	12.8	12.7	12.7	7.6	7.6	7.1	11.8	13.4	13.5	13.6
State government, except education ...	3.0	2.9	2.9	2.9	2.9	3.0	3.1	3.1	3.2	3.0	2.9	2.9	2.9
Local government	25.4	25.5	25.7	25.8	26.0	26.1	24.7	24.3	24.2	25.2	25.8	25.9	26.0
Local government education	13.9	14.2	14.5	14.5	14.5	14.6	12.7	12.0	12.2	13.5	14.3	14.5	14.8
Local government, except education ...	11.6	11.2	11.2	11.3	11.5	11.6	12.0	12.3	12.1	11.7	11.6	11.4	11.2

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$11.49	\$11.34	\$11.35	\$11.46	\$11.73	\$11.66	\$11.76	\$11.46	\$11.28	\$11.34	\$11.42	\$11.58	\$11.44
Durable Goods ^b	11.78	11.59	11.62	11.78	12.17	12.02	12.23	11.66	11.32	11.53	11.70	11.88	11.81
Fabricated metal products	14.48	13.83	13.89	14.41	15.24	14.72	15.18	13.90	13.90	14.28	14.83	14.60	14.65
Machinery, except electrical	10.26	10.18	10.21	10.11	10.39	10.39	10.38	10.33	10.15	10.30	10.28	10.19	10.20
Metalworking machinery	10.61	10.52	10.43	10.32	10.54	10.62	10.74	10.77	10.48	10.65	10.68	10.76	10.81
Nondurable Goods ^c	11.07	10.99	10.96	11.00	11.10	11.13	11.07	11.18	11.23	11.08	11.05	11.15	10.93
Food and kindred products	10.67	10.88	10.89	10.77	10.47	10.72	10.47	10.56	10.72	10.76	10.60	10.63	10.55
Chemicals and allied products	11.83	11.74	11.68	11.83	11.58	11.76	11.67	11.68	11.94	11.90	11.98	12.18	11.99
Rubber and misc. plastics products	11.26	11.16	11.19	11.24	11.35	11.35	11.35	11.39	11.42	11.25	11.17	11.23	11.01
Tires and inner tubes	16.01	15.67	15.81	15.83	16.06	16.13	16.18	16.13	16.19	16.02	15.95	15.95	16.14
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.97	13.88	13.84	13.86	13.80	13.76	13.82	14.02	14.10	14.16	14.15	14.18	14.07
WHOLESALE TRADE	9.27	9.03	8.96	9.16	9.25	9.06	9.23	9.34	9.53	9.36	9.43	9.55	9.34
RETAIL TRADE ^d	6.25	6.20	6.25	6.32	6.25	6.24	6.23	6.18	6.20	6.24	6.29	6.23	6.34

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fMc comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON SMSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.2	43.2	43.0	43.2	43.7	43.3	44.1	43.1	42.6	43.2	42.8	42.9	43.1
Durable Goods ^b	43.2	43.0	43.0	43.3	43.9	43.5	44.7	42.6	41.6	43.3	42.9	42.9	43.3
Fabricated metal products	44.2	43.8	43.5	45.0	46.8	45.4	48.2	42.4	41.8	44.1	43.1	43.1	42.7
Machinery, except electrical	44.8	44.5	44.5	43.7	44.1	44.3	44.6	45.6	43.7	45.4	45.5	45.5	46.0
Metalworking machinery	45.5	45.3	45.0	44.5	45.2	45.5	46.4	46.5	43.5	46.3	45.3	45.9	46.5
Non durable Goods ^c	43.2	43.7	42.9	42.9	43.4	43.0	43.3	43.8	43.9	43.0	42.7	43.0	42.9
Food and kindred products	42.6	43.9	43.5	42.9	42.4	41.9	42.8	43.5	42.5	43.2	42.2	42.1	41.0
Chemicals and allied products	43.2	44.2	43.7	44.4	42.9	42.5	41.9	43.5	43.8	43.9	42.0	42.9	42.6
Rubber and misc. plastics products	44.4	44.7	44.2	44.0	44.6	44.5	45.0	44.8	45.1	44.1	44.0	43.9	44.4
Tires and inner tubes	49.8	50.0	49.6	49.5	49.2	50.3	50.8	51.1	51.1	49.2	48.0	47.9	50.6
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	40.9	40.3	40.4	40.3	40.5	40.9	40.7	41.1	41.3	41.5	41.4	41.5	40.8
WHOLESALE TRADE	37.4	37.0	37.4	38.1	37.8	38.5	38.3	37.7	37.2	37.1	36.6	36.7	36.9
RETAIL TRADE	31.7	30.6	30.5	30.7	31.1	31.3	31.8	32.4	32.3	32.0	32.2	32.2	33.3

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

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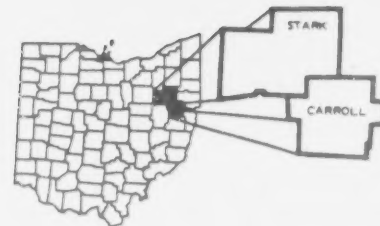
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON SMSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$496.37	\$489.89	\$488.05	\$495.07	\$512.60	\$504.88	\$518.62	\$493.93	\$480.53	\$489.89	\$488.78	\$496.78	\$493.06
Durable Goods ^b	508.90	498.37	499.66	510.07	534.26	522.87	546.68	496.72	470.91	499.25	501.93	509.65	511.37
Fabricated metal products	640.02	605.75	604.22	648.45	713.23	668.29	731.68	589.36	581.02	629.75	639.17	629.26	625.56
Machinery, except electrical	459.65	453.01	454.35	441.81	458.20	460.28	462.95	471.05	443.56	467.62	467.74	463.65	469.20
Metalworking machinery	482.76	476.56	469.35	459.24	476.41	483.21	498.34	500.81	455.88	493.10	483.80	493.88	502.67
Nondurable Goods ^c	478.22	480.26	470.18	471.90	481.74	478.59	479.33	489.68	493.00	476.44	471.84	479.45	468.90
Food and kindred products	454.54	477.63	473.72	462.03	443.93	449.17	448.12	459.36	455.60	464.83	447.32	447.52	432.55
Chemicals and allied products	511.06	518.91	510.42	525.25	496.78	499.80	488.97	508.08	522.97	522.41	503.16	522.52	510.77
Rubber and misc. plastics products	499.94	498.85	494.60	494.56	506.21	505.08	510.75	510.27	515.04	496.13	491.48	493.00	488.84
Tires and inner tubes	797.30	783.50	784.18	783.59	790.15	811.34	821.94	824.24	827.31	788.18	765.60	764.01	816.68
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	571.37	559.36	559.14	558.56	558.90	562.78	562.47	576.22	582.33	587.64	585.81	588.47	574.06
WHOLESALE TRADE	346.70	334.11	335.10	349.00	349.65	348.81	353.51	352.12	354.52	347.26	345.14	350.49	344.65
RETAIL TRADE ^d	198.13	192.17	190.63	194.02	194.38	195.31	198.11	200.23	200.26	195.68	202.54	200.61	211.12

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

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CANTON METROPOLITAN STATISTICAL AREA

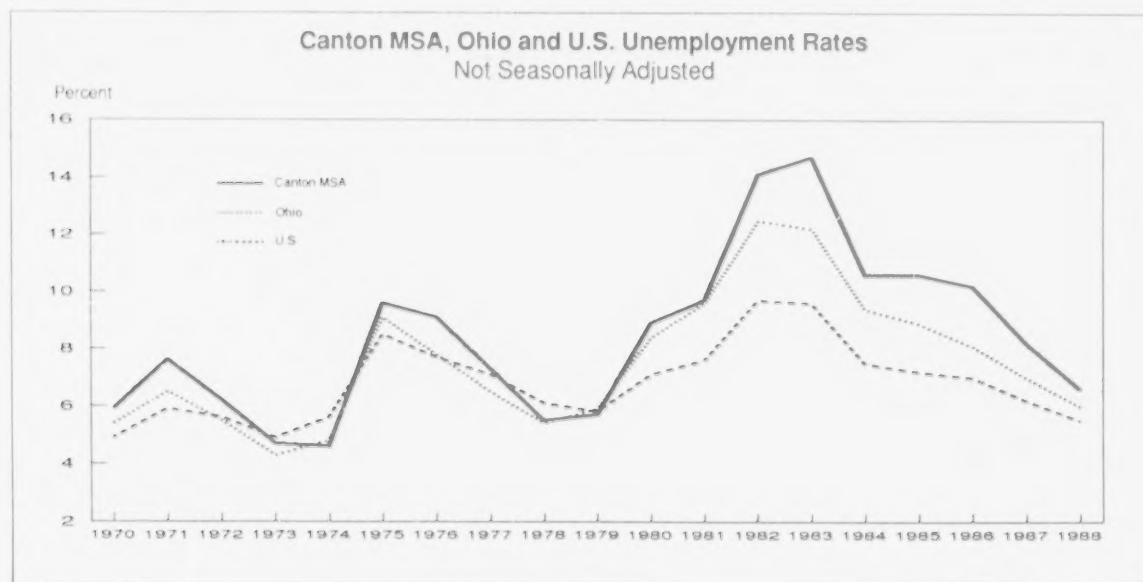


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

The estimated annual average civilian labor force in the Canton metropolitan area, based on place of residence, increased 100 from 1987 to 190,500 in 1988. Total employment advanced 3,300 over the year to 178,000, while unemployment declined 3,100. The unemployment rate dropped 1.6 points, from 8.2 percent in 1987 to 6.6 percent in 1988. (See table, page 47, top.)

Nonagricultural payroll employment rose 2.0 percent, from 156,400 in 1987 to 159,500 in 1988. Nonmanufacturing employment increased 2,100 from the 1987 level. A major portion of the growth occurred in services, retail trade, and local government. Scattered improvements in durable-goods industries, especially primary metal industries, raised manufacturing employment 900 over the year. Employment in food and kindred products declined.

Total nonfarm wage and salary employment in the Canton area recovered 92.6 percent of jobs lost during the 1979-1983 recessionary period, a gain of 16,100. Growth in services, retail trade, and construction contributed 83.9 percent of the improvement. The manufacturing workforce increased 1,300 since 1983, but remained 14,200 below the 1979 level. Gains were recorded in primary metal industries and rubber and miscellaneous plastics products. Food and kindred products continued its downward trend. Although fabricated metal products rose 100 since 1987, the industry remained 900 below the 1983 level. (See table, page 47, bottom.)



Canton MSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employed and Unemployed in Thousands)

Civilian Labor Force						Nonagricultural Wage & Salary Employment			
Employment			Unemployment			Manufacturing			
			Unemployment Rate ^b						
			MSA	Ohio	U.S.				Nonmfg
165.6	155.3	10.3	6.2	5.5	5.6	1972	139.8	57.4	82.4
171.2	163.1	8.1	4.7	4.3	4.9	1973	147.9	61.7	86.2
175.6	167.5	8.1	4.6	4.8	5.6	1974	152.1	62.2	89.9
174.7	158.0	16.7	9.6	9.1	8.5	1975	145.0	55.3	89.7
174.4	158.6	15.8	9.1	7.8	7.7	1976	145.9	54.8	91.2
175.9	163.1	12.9	7.3	6.5	7.1	1977	149.8	56.0	93.8
179.9	170.0	9.9	5.5	5.4	6.1	1978	156.1	57.1	99.0
184.3	173.7	10.6	5.7	5.9	5.8	1979	160.8	59.1	101.7
187.7	170.9	16.8	8.9	8.4	7.1	1980	157.1	55.7	101.5
188.4	170.1	18.2	9.7	9.6	7.6	1981	156.6	54.8	101.9
191.4	164.3	27.0	14.1	12.5	9.7	1982	148.6	47.6	101.1
187.0	159.5	27.5	14.7	12.2	9.6	1983	143.4	43.5	99.9
188.1	168.1	19.9	10.6	9.4	7.5	1984	149.1	46.4	102.7
189.5	169.5	20.0	10.6	8.9	7.2	1985	151.5	46.2	105.3
190.5	171.2	19.4	10.2	8.1	7.0	1986	151.9	43.7	108.3
190.4	174.7	15.7	8.2	7.0	6.2	1987	156.4	44.0	112.5
190.5	178.0	12.6	6.6	6.0	5.5	1988	159.5	44.9	114.6

^aCivilian labor force estimates are based on place of residence.

Nonagricultural wage and salary employment estimates are based on place of work.

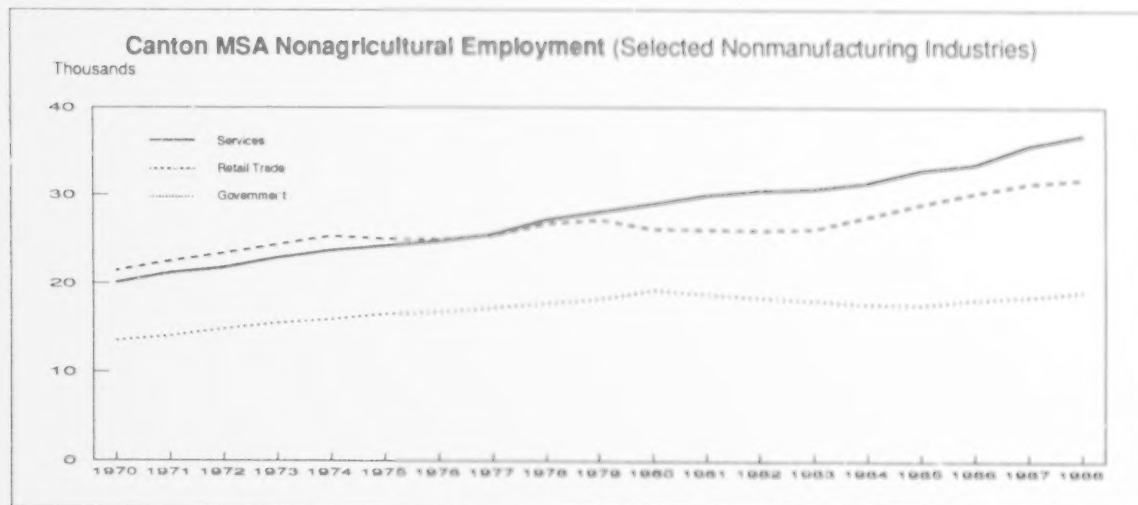
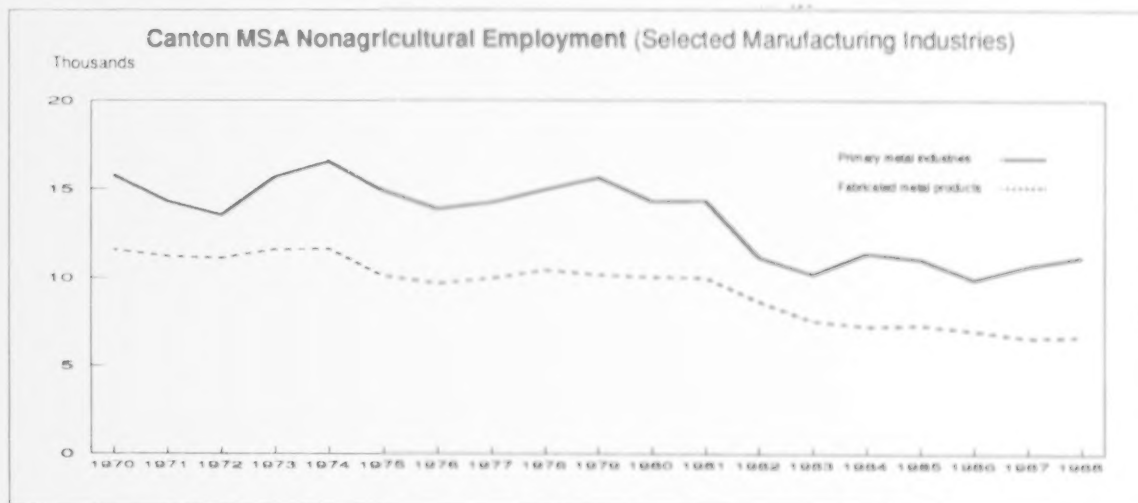
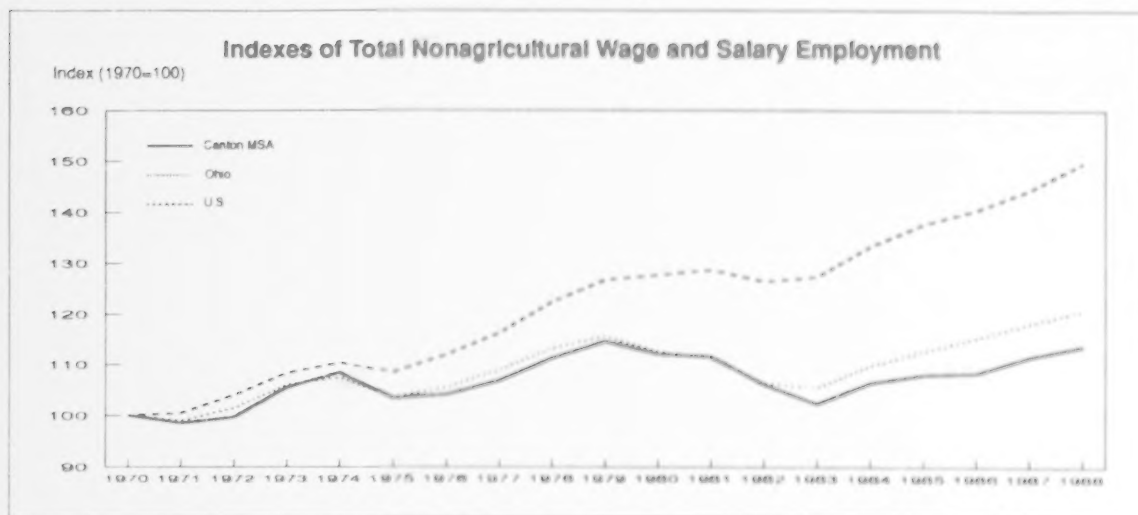
^bUnemployment as percent of civilian labor force.

Nonagricultural Wage and Salary Employment in Selected Industries
in the Canton Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

Industry	Employment (In thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983	1983 - 1988	MSA	Ohio
TOTAL	160.8	143.4	159.5	-17.4	16.1	92.6	150.5
Manufacturing	59.1	43.5	44.9	-15.6	1.3	8.5	11.7
Durable Goods	46.4	33.0	33.2	-13.4	.2	1.5	7.8
Primary Metal Industries	15.6	10.2	11.1	-5.4	1.0	17.7	-
Fabricated Metal Products	10.2	7.6	6.7	-2.6	-.9	-	7.2
Nondurable Goods	12.7	10.6	11.7	-2.2	1.1	51.9	29.0
Food and Kindred Products	4.4	3.7	3.2	-.7	-.5	-	-
Rubber and Misc. Plastics Products	3.5	2.5	3.0	-1.0	.5	47.3	33.8
Construction	6.4	4.3	6.1	-2.1	1.8	85.9	101.3
Transportation and Public Utilities	7.6	5.9	5.8	-1.6	-.2	-	38.7
Wholesale Trade	7.2	7.2	8.0	.1	.7	+	308.7
Retail Trade	27.1	25.1	31.8	-1.0	5.6	555.5	527.1
Finance, Insurance, and Real Estate	5.9	6.4	6.4	.4	.0	+	+
Services	28.1	30.7	36.8	2.6	6.1	+	+
Government	18.3	18.0	19.0	-.2	.9	451.0	227.4
Local Government	15.1	15.2	15.8	.1	.6	+	107.2

+ No Downturn, 1979 - 1983.

- No Upturn, 1983 - 1988.



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1988^a
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	159.5	155.0	154.7	155.7	157.9	159.7	160.8	160.6	159.7	160.9	162.2	163.6	163.0
MANUFACTURING	44.9	44.3	44.3	44.4	44.4	44.6	45.1	45.2	44.7	45.1	45.3	45.4	45.7
Durable Goods ^b	33.2	32.8	32.9	33.1	33.0	33.0	33.2	33.4	32.9	33.3	33.4	33.5	33.8
Primary metal industries	11.1	11.0	10.9	11.0	11.0	11.1	11.2	11.3	11.0	11.3	11.3	11.3	11.4
Fabricated metal products	6.7	6.6	6.7	6.7	6.6	6.6	6.7	6.7	6.7	6.7	6.6	6.6	6.6
Metal forgings and stampings	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2
Non-durable Goods ^c	11.7	11.5	11.4	11.4	11.4	11.6	11.9	11.8	11.8	11.8	11.9	11.9	11.9
Food and kindred products	3.2	3.3	3.2	3.1	3.1	3.2	3.3	3.3	3.3	3.3	3.2	3.3	3.3
Rubber and misc. plastics products	3.0	2.9	2.9	2.9	3.0	3.0	3.0	2.9	2.9	3.0	3.1	3.1	3.0
NONMANUFACTURING^d	114.6	110.7	110.4	111.2	113.5	115.1	115.7	115.4	115.1	115.8	116.9	118.2	117.4
CONSTRUCTION	6.1	4.8	4.7	4.9	5.5	6.1	6.5	6.9	6.9	6.8	6.9	6.6	6.4
TRANSPORTATION AND PUBLIC UTILITIES	5.8	5.5	5.5	5.5	5.6	5.7	5.8	5.9	5.9	5.9	5.9	6.0	6.0
Communication, electric, gas services ..	2.6	2.5	2.5	2.5	2.5	2.5	2.7	2.7	2.8	2.8	2.7	2.8	2.8
WHOLESALE TRADE	8.0	7.8	7.8	7.9	7.9	7.8	8.0	8.0	8.0	8.0	8.1	8.1	8.1
Wholesale trade-durable goods	4.4	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5
RETAIL TRADE	31.8	31.0	30.5	30.6	31.3	31.6	31.8	31.8	32.1	32.2	32.1	32.7	33.4
General merchandise stores	4.0	4.1	3.8	3.7	3.7	3.8	3.9	3.9	3.9	4.0	4.1	4.4	4.6
Food stores	5.4	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.5	5.5	5.4	5.6	5.7
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.3	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.3	6.4	6.3	6.3
Banking	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.8
SERVICES	36.8	35.5	35.7	36.0	36.8	37.1	37.4	37.2	37.2	37.0	37.5	37.2	37.0
Health services	15.2	15.0	15.0	15.1	15.2	15.2	15.2	15.2	15.2	15.3	15.4	15.4	15.3
GOVERNMENT	19.0	18.9	19.1	19.1	19.1	19.5	18.9	18.0	17.7	18.7	19.2	20.4	19.3
State government	1.7	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	15.8	15.7	15.9	16.0	15.9	16.3	15.7	14.8	14.5	15.6	16.1	17.3	16.1
Local government education	9.5	9.6	9.8	9.8	9.8	9.9	9.2	8.4	8.2	9.2	9.8	9.9	9.9
Local government, except education ...	6.4	6.1	6.1	6.1	6.2	6.4	6.5	6.4	6.3	6.4	6.3	7.4	6.2

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1987^a
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	156.4	151.9	151.8	152.8	154.2	156.1	156.8	156.9	157.1	157.8	160.2	160.7	160.8
MANUFACTURING	44.0	43.1	43.3	43.3	43.3	43.5	43.8	43.9	44.1	44.2	44.9	45.0	45.1
Durable Goods ^b	32.3	31.5	31.8	31.9	31.9	31.9	32.1	32.1	32.3	32.4	33.0	33.1	33.1
Primary metal industries	10.7	10.3	10.5	10.5	10.5	10.5	10.6	10.6	10.7	10.6	11.0	11.1	11.2
Fabricated metal products	6.6	6.6	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.7	6.7	6.7
Metal forgings and stampings	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Nondurable Goods ^c	11.7	11.6	11.5	11.4	11.4	11.5	11.6	11.8	11.9	11.8	11.9	11.9	11.9
Food and kindred products	3.6	3.8	3.7	3.6	3.5	3.6	3.5	3.7	3.7	3.6	3.6	3.6	3.6
Rubber and misc. plastics products	2.9	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.9	2.9	3.0	3.0	3.0
NONMANUFACTURING ^d	112.5	108.8	108.4	109.5	110.9	112.7	113.0	113.1	113.0	113.6	115.3	115.7	115.8
CONSTRUCTION	6.0	4.9	4.5	4.9	5.3	5.9	6.4	6.7	6.6	6.5	6.9	6.7	6.5
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.5	5.5	5.6	5.7	5.7	5.7	5.8	5.8	5.7	5.7	5.7	5.7
Communication, electric, gas services ..	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.6	2.6
WHOLESALE TRADE	8.0	7.9	7.9	8.0	7.9	8.0	8.1	8.0	8.0	8.0	8.0	8.0	8.0
Wholesale trade-durable goods	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4	4.4
RETAIL TRADE	31.3	30.5	30.1	30.3	30.5	30.9	31.2	31.5	31.6	31.6	32.0	32.4	32.8
General merchandise stores	3.9	4.1	3.8	3.7	3.7	3.8	3.8	3.8	3.8	3.8	4.0	4.4	4.5
Food stores	5.2	5.1	5.1	5.0	5.0	5.0	5.1	5.4	5.4	5.4	5.3	5.3	5.4
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.5	6.5	6.5	6.6
Banking	1.9	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
SERVICES	35.6	34.0	34.2	34.6	35.4	35.6	35.9	36.2	36.2	36.1	36.5	36.4	36.3
Health services	14.9	14.5	14.6	14.6	14.9	14.9	15.0	15.0	15.0	15.0	15.2	15.2	15.1
GOVERNMENT	18.5	18.5	18.7	18.8	18.6	19.1	18.2	17.4	17.4	18.2	18.8	19.0	19.1
State government	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	15.3	15.3	15.6	15.7	15.4	15.9	15.0	14.2	14.2	15.1	15.6	15.8	15.9
Local government education	9.2	9.3	9.6	9.6	9.4	9.6	8.9	8.2	8.2	9.0	9.5	9.7	9.7
Local government, except education ...	6.1	6.0	6.0	6.1	6.1	6.3	6.1	6.0	6.0	6.1	6.1	6.1	6.1

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$11.41	\$11.43	\$11.44	\$11.36	\$11.42	\$11.39	\$11.35	\$11.25	\$11.27	\$11.44	\$11.51	\$11.44	\$11.61
Durable Goods ^b	11.83	11.76	11.80	11.73	11.82	11.79	11.77	11.65	11.66	11.89	11.95	11.95	12.12
Primary metal industries	12.94	12.96	12.90	12.95	13.07	12.94	12.96	12.92	12.79	12.91	12.95	12.84	13.07
Fabricated metal products	10.88	10.41	10.52	10.54	10.49	10.67	10.74	10.77	10.70	11.09	11.28	11.43	11.72
Metal forgings and stampings	14.10	14.31	14.46	14.55	14.44	14.42	14.16	13.93	13.78	13.89	13.65	13.68	13.95
Nondurable Goods ^c	10.02	10.24	10.16	10.12	10.10	10.11	9.99	9.95	10.03	9.96	10.05	9.78	9.83
Food and kindred products	10.61	10.80	10.60	11.04	10.82	10.91	10.70	10.48	10.70	10.52	10.43	10.28	10.03
Rubber and misc. plastics products	10.05	10.45	10.47	10.32	10.23	10.10	10.04	9.93	10.00	9.95	9.83	9.66	9.67
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.78	13.66	13.48	13.44	13.83	13.49	13.60	13.69	13.98	14.21	13.93	13.96	13.96
WHOLESALE TRADE	10.11	9.89	9.93	9.82	10.10	10.13	10.20	10.24	10.07	10.09	10.27	10.36	10.19
RETAIL TRADE ^d	5.53	5.42	5.53	5.55	5.56	5.47	5.48	5.56	5.50	5.54	5.53	5.57	5.60

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing or publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.9	43.2	43.1	43.0	43.2	43.2	42.8	42.3	42.1	42.6	42.9	42.9	43.0
Durable Goods ^b	43.6	44.3	43.8	43.4	43.7	43.7	43.5	42.9	42.6	43.4	43.8	43.8	44.1
Primary metal industries	46.1	47.2	46.4	46.9	47.2	47.2	46.6	45.9	45.1	45.2	45.5	45.2	45.5
Fabricated metal products	41.9	40.8	41.1	41.3	41.1	41.7	42.1	40.8	40.4	42.1	44.2	42.6	44.6
Metal forgings and stampings	40.9	40.3	41.5	41.2	40.3	40.2	40.2	40.6	40.5	40.9	41.2	41.3	42.8
Non durable Goods ^c	40.7	40.0	40.7	41.9	41.4	41.9	40.7	40.5	40.6	40.2	40.3	40.2	39.7
Food and kindred products	38.8	39.8	38.5	40.0	38.5	40.7	38.3	38.1	38.5	37.9	38.2	38.4	39.4
Rubber and misc. plastics products	41.2	41.0	41.7	41.5	42.1	41.9	41.0	41.0	41.0	40.9	41.1	41.3	40.3
TRANSPORTATION AND PUBLIC UTILITIES .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.8	41.4	40.1	40.2	42.3	40.3	40.2	40.8	41.2	41.4	40.9	40.7	40.4
WHOLESALE TRADE	37.6	38.0	37.8	38.2	37.8	37.6	37.5	37.5	37.0	36.7	37.6	37.3	38.0
RETAIL TRADE	28.9	28.2	28.0	28.3	28.4	28.9	29.3	29.7	29.2	28.9	28.8	29.0	29.4

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

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Ohio Bureau of Employment Services
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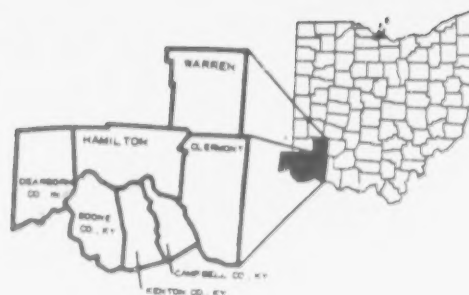
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$489.49	\$493.78	\$493.06	\$488.48	\$493.30	\$492.05	\$485.78	\$475.88	\$474.47	\$487.34	\$493.78	\$490.78	\$499.23
Durable Goods ^b	515.79	520.97	516.84	509.08	516.53	515.22	512.00	499.79	496.72	516.03	523.41	523.41	534.49
Primary metal industries	596.53	611.71	598.56	607.36	616.90	610.77	603.94	593.03	576.83	583.53	589.23	580.37	594.69
Fabricated metal products	455.87	424.73	432.37	435.30	431.14	444.94	452.15	439.42	432.28	466.89	498.58	486.92	522.71
Metal forgings and stampings	576.69	576.69	600.09	599.46	581.93	579.68	569.23	565.56	558.09	568.10	562.38	564.98	597.06
Nondurable Goods ^c	407.81	409.60	413.51	424.03	418.14	423.61	406.59	402.98	407.22	400.39	405.02	393.16	390.25
Food and kindred products	411.67	429.84	408.10	441.60	416.57	444.04	409.81	399.29	411.95	398.71	398.43	394.75	395.18
Rubber and misc. plastics products	414.06	428.45	436.60	428.28	430.68	423.19	411.64	407.13	410.00	406.96	404.01	398.96	389.70
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	562.22	565.52	540.55	540.29	585.01	543.65	546.72	558.55	575.98	588.29	569.74	568.17	563.18
WHOLESALE TRADE	380.14	375.82	375.35	375.12	381.78	380.89	382.50	384.00	372.59	370.30	386.15	386.43	387.22
RETAIL TRADE ^d	159.82	152.84	154.84	157.07	157.90	158.08	160.56	165.13	160.60	160.11	159.26	161.53	164.64

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

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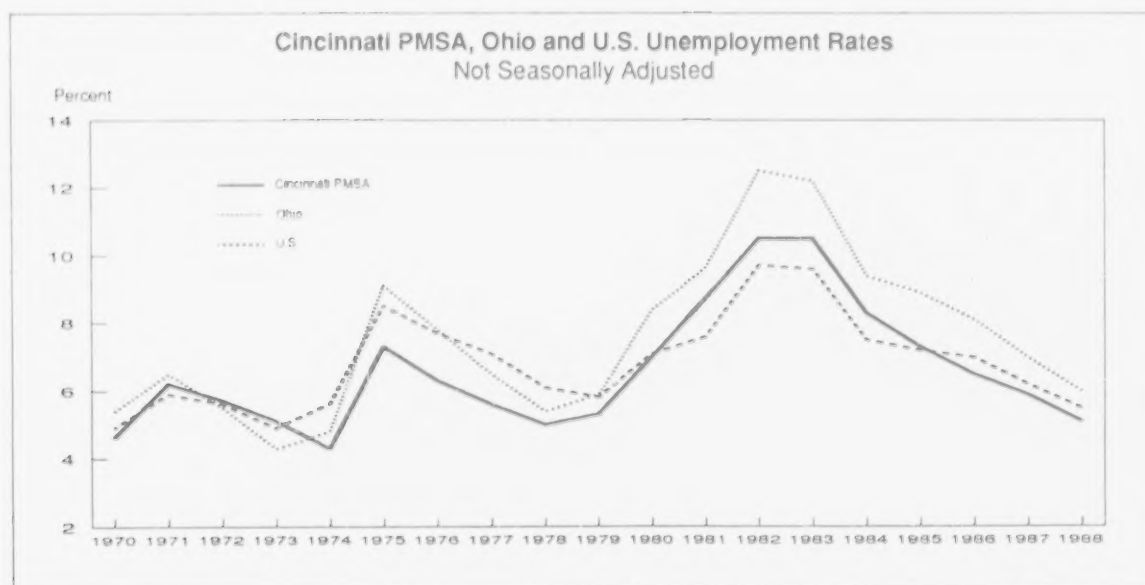
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



In the Cincinnati metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 18,500 from 1987 to 762,700 in 1988. Total employment gained 23,500 over the year, while unemployment registered a decrease of 5,000. The unemployment rate dropped from 5.9 percent in 1987 to 5.1 percent in 1988. (See table, page 55, top.)

Nonagricultural wage and salary employment totaled 700,200 in 1988, an increase of 3.3 percent, or 22,500 jobs from the 1987 level. Nonmanufacturing industries advanced 24,000 over the year. Retail trade and services accounted for two-thirds of this growth, although all sectors showed improvement. Manufacturing employment declined 1,500 during the period. A major reduction in transportation equipment (-3,100) was partially offset by modest expansion in electric and electronic equipment, rubber and miscellaneous plastics products, and fabricated metal products.

Total nonfarm payroll employment in the Cincinnati area increased 124,600 since the 1979-1983 recessionary period. Expansion in nonmanufacturing industries created 120,500 jobs, with notable gains in services and retail trade. Manufacturing recovered 12.6 percent of lost jobs, but remained 28,600 below the 1979 level. Gains were registered in printing and publishing, nonelectrical machinery, and chemicals and allied products. The continued decline in the number of jobs in transportation equipment lowered employment in this industry below the 1983 recessionary level. (See table, page 55, bottom.)



Cincinnati PMSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage & Salary Employment		
Employment							Manufacturing		
Unemployment							Nonmfg.		
Unemployment Rate ^b									
			PMSA	Ohio	U.S.				
561.0	529.0	32.0	5.7	5.5	5.6	1972	512.0	155.9	356.1
572.0	543.0	29.0	5.1	4.3	4.9	1973	534.6	165.5	369.1
595.3	569.8	25.5	4.3	4.8	5.6	1974	542.2	166.8	375.7
595.3	551.6	43.6	7.3	9.1	8.5	1975	531.2	153.9	377.3
604.8	566.6	38.2	6.3	7.8	7.7	1976	541.9	155.6	386.3
623.4	588.7	34.7	5.6	6.5	7.1	1977	562.1	161.1	401.0
648.3	615.8	32.5	5.0	5.4	6.1	1978	591.2	169.2	421.9
663.4	628.1	35.3	5.3	5.9	5.8	1979	607.4	173.1	434.3
676.2	628.8	47.5	7.0	8.4	7.1	1980	600.7	162.4	438.2
678.5	619.3	59.1	8.7	9.6	7.6	1981	592.2	157.3	434.9
684.3	612.4	71.9	10.5	12.5	9.7	1982	575.3	146.3	429.0
687.6	615.2	72.4	10.5	12.2	9.6	1983	575.6	140.4	435.2
695.9	638.4	57.5	8.3	9.4	7.5	1984	600.8	145.0	455.8
710.6	659.1	51.5	7.3	8.9	7.2	1985	628.1	147.1	481.0
727.8	680.7	47.2	6.5	8.1	7.0	1986	650.8	147.7	503.1
744.2	700.2	44.0	5.9	7.0	6.2	1987	677.7	146.0	531.7
762.7	723.7	39.0	5.1	6.0	5.5	1988	700.2	144.5	555.6

^aCivilian labor force estimates are based on place of residence.

Nonagricultural wage and salary employment estimates are based on place of work.

^bUnemployment as percent of civilian labor force.

Nonagricultural Wage and Salary Employment in Selected Industries
in the Cincinnati Primary Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

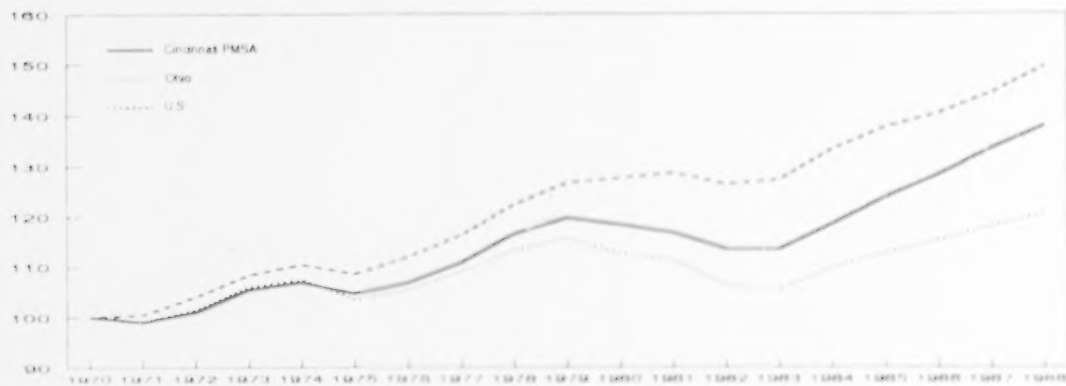
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983	1983 - 1988	PMSA	Ohio
TOTAL	607.4	575.6	700.2	-31.8	124.6	391.4	150.5
Manufacturing	173.1	140.4	144.5	-32.7	4.1	12.6	11.7
Durable Goods	98.7	77.0	78.2	-21.7	1.2	5.5	7.8
Fabricated Metal Products	16.7	11.5	10.8	-5.2	-.7	-	7.2
Machinery, Except Electrical	26.7	19.4	20.8	-7.3	1.4	18.6	6.3
Metalworking Machinery	12.9	8.6	8.7	-4.3	.1	1.3	13.5
Electric and Electronic Equipment	9.4	8.1	8.5	-1.3	.5	39.9	-
Transportation Equipment	27.4	24.0	23.8	-3.4	-.3	-	28.8
Motor Vehicles and Equipment	12.7	9.2	5.0	-3.5	-4.2	-	23.9
Nondurable Goods	74.5	63.4	66.3	-11.1	2.9	26.6	29.0
Food and Kindred Products	17.9	13.5	12.7	-4.4	-.9	-	-
Printing and Publishing	13.0	11.6	13.4	-1.4	1.8	129.1	181.3
Chemicals and Allied Products	22.5	21.2	22.4	-1.2	1.2	98.8	22.0
Construction	27.4	20.4	31.3	-7.0	10.9	155.7	101.3
Transportation and Public Utilities	34.2	31.4	38.1	-2.8	6.7	240.3	38.7
Communication, Electric, Gas Services	13.2	14.7	15.4	1.4	.7	+	+
Wholesale Trade	37.8	36.5	44.4	-1.3	7.9	606.4	308.7
Retail Trade	102.2	104.7	135.2	2.5	30.5	+	527.1
Finance, Insurance, and Real Estate	32.1	32.8	42.2	.7	9.4	+	+
Services	117.4	129.7	175.8	12.4	46.1	+	+
Government	82.8	79.2	88.1	-3.6	8.9	249.9	227.4
Federal Government	13.3	12.4	15.4	-1.0	3.0	310.8	295.0
State Government	17.6	17.8	19.9	.2	2.1	+	+
Local Government	51.8	49.0	52.8	-2.8	3.8	136.5	107.2

+ No Downturn, 1979 - 1983.

- No Upturn, 1983 - 1988.

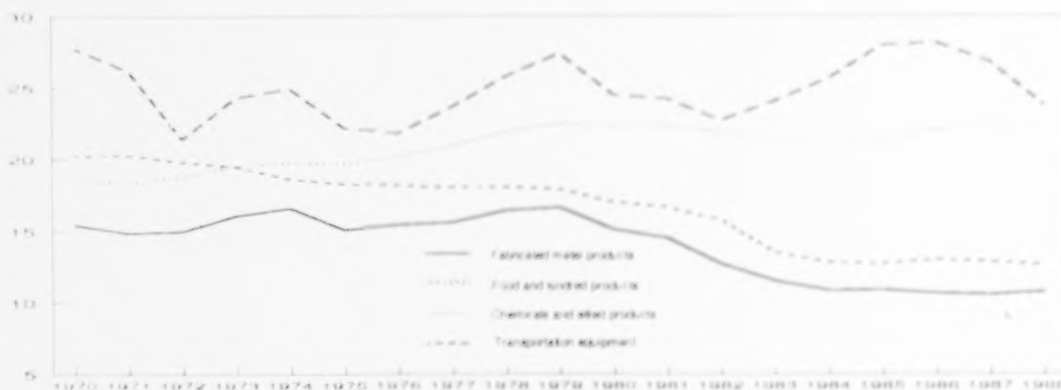
Indexes of Total Nonagricultural Wage and Salary Employment

Index (1970=100)



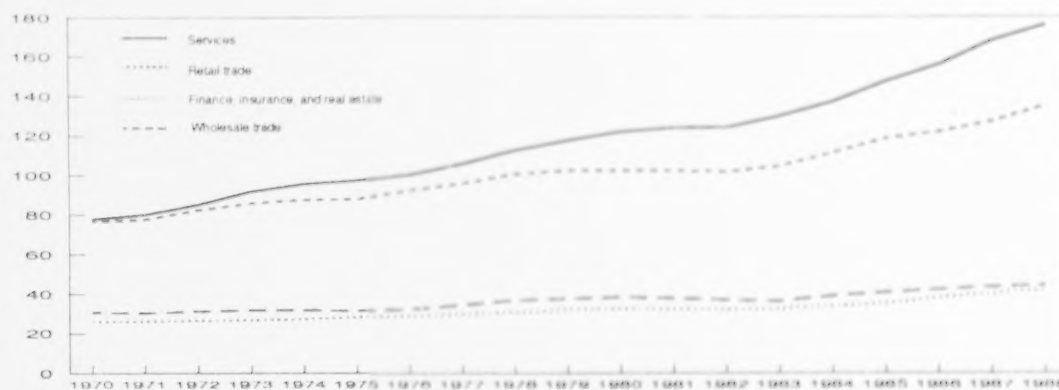
Cincinnati PMSA Nonagricultural Employment (Selected Manufacturing Industries)

Thousands



Cincinnati PMSA Nonagricultural Employment (Selected Nonmanufacturing Industries)

Thousands



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI MSA, 1988^a
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	700.2	677.2	676.6	679.5	696.4	700.1	706.2	701.8	705.1	711.9	712.4	720.5	718.6
MANUFACTURING	144.5	145.7	144.8	138.3	144.3	143.7	144.2	144.3	145.3	145.8	145.3	146.3	146.6
Durable Goods ^b	78.2	79.2	78.3	72.0	78.3	78.4	78.4	78.4	79.0	78.9	78.8	79.4	79.4
Fabricated metal products	10.8	11.0	10.8	10.8	10.7	10.7	10.6	10.6	10.7	10.7	10.8	10.9	11.0
Fabricated structural metal products..	3.9	4.2	4.0	4.0	3.9	3.8	3.8	3.7	3.8	3.8	3.8	3.9	3.9
Machinery, except electrical	20.8	20.6	20.5	20.6	20.7	20.6	20.6	20.6	20.8	20.8	21.0	21.1	21.2
Metalworking machinery	8.7	8.6	8.5	8.6	8.6	8.6	8.7	8.8	8.8	8.7	8.8	8.8	8.7
General industrial machinery	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.1
Electric and electronic equipment	8.6	8.4	8.5	8.4	8.5	8.6	8.6	8.6	8.7	8.7	8.6	8.7	8.8
Transportation equipment	23.8	25.3	24.6	18.1 ^j	24.3	24.1	24.1	24.2	24.3	24.1	24.1	24.1	23.9
Motor vehicles and equipment	5.0	5.2	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1
Non-durable Goods ^c	66.3	66.6	66.5	66.3	65.9	65.3	65.8	65.9	66.3	66.9	66.5	67.0	67.1
Food and kindred products	12.7	12.4	12.2	12.4	12.4	12.2	12.4	12.5	12.9	13.1	13.1	13.1	13.2
Beverages	3.5	3.4	3.3	3.3	3.4	3.3	3.4	3.6	3.6	3.6	3.7	3.6	3.5
Apparel and other textile products	3.5	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.4	3.4	3.4	3.6	3.5
Paper and allied products	6.0	6.0	6.1	6.0	6.0	5.9	6.0	5.9	6.0	6.1	6.1	6.1	6.1
Printing and publishing	13.4	13.7	13.7	13.5	13.3	13.0	13.1	13.1	13.2	13.4	13.5	13.6	13.6
Commercial printing	6.1	6.2	6.2	6.2	6.1	5.9	6.0	6.0	6.0	6.1	6.2	6.2	6.2
Chemicals and allied products	22.4	22.5	22.5	22.5	22.3	22.4	22.6	22.7	22.7	22.7	22.1 ^j	22.1 ^j	22.3 ^j
Rubber and misc. plastics products	6.1	6.1	6.1	6.1	6.1	6.1	5.9	5.9	5.9	5.9	6.0	6.2	6.2
NONMANUFACTURING^d	555.6	531.4	531.8	541.2	550.1	556.4	560.0	557.5	559.8	566.0	567.0	574.2	572.0
CONSTRUCTION	31.3	26.8	26.5	28.1	29.8	31.1	32.1	33.1	33.8	33.9	34.3	33.8	32.6
TRANSPORTATION AND PUBLIC UTILITIES	38.1	36.5	36.9	37.1	37.4	37.6	37.9	38.0	38.2	39.1	39.3	39.4	39.6
Trucking and warehousing	10.6	9.9	10.0	10.1	10.3	10.4	10.6	10.7	10.8	11.1	11.2	11.3	11.4
Communication, electric, gas services ..	15.4	15.3	15.3	15.4	15.2	15.3	15.4	15.5	15.6	15.5	15.4	15.4	15.4
WHOLESALE TRADE	44.4	43.4	43.6	43.9	43.9	44.1	44.5	44.6	44.6	44.6	45.0	45.2	45.5
Wholesale trade-durable goods	26.2	25.5	25.7	25.7	25.8	26.0	26.2	26.4	26.5	26.4	26.6	26.7	26.7

See footnotes at end of table.

RS-790-1-3 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI SMSA, 1988^a (continued)
(in thousands)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	135.2	129.5	128.4	130.0	132.5	133.9	134.8	135.9	136.6	137.3	138.5	141.3	143.6
General merchandise stores	20.0	19.7	18.6	19.2	19.2	19.3	19.4	19.8	20.0	20.2	20.5	21.8	22.8
FINANCE, INSURANCE, AND REAL ESTATE	42.2	41.0	41.2	41.4	41.8	41.9	42.5	42.7	42.8	42.7	42.6	42.9	43.0
Banking	9.1	8.8	8.9	8.9	8.9	8.9	9.1	9.2	9.2	9.2	9.1	9.2	9.2
Insurance carriers	14.4	14.2	14.3	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5
SERVICES	175.8	166.3	167.0	171.0	175.1	177.9	180.2	180.3	181.0	180.6	177.6	176.0	177.2
Hotels and other lodging places	7.4	6.7	6.8	6.9	7.2	7.5	7.8	7.9	7.9	7.7	7.4	7.3	7.3
Personal services	8.9	8.7	8.9	9.0	9.2	8.8	8.9	8.8	8.9	9.0	9.0	9.0	9.1
Business services	42.6	39.9	40.1	40.8	41.2	41.8	42.2	43.3	43.8	44.2	44.6	44.6	44.8
Amusement and recreation services	9.2	5.9	5.8	7.5	9.6	11.5	13.0	12.6	12.7	11.4	7.6	6.0	7.0
Health services	53.8	52.7	52.8	53.2	53.4	53.3	53.9	54.2	54.5	54.4	54.4	54.4	54.5
Hospitals	25.7	25.4	25.4	25.4	25.4	25.3	25.7	25.8	26.0	25.8	26.0	26.0	26.1
GOVERNMENT	88.1	87.6	87.8	89.2	89.1	89.4	87.6	82.4	82.4	87.4	89.2	95.1	90.0
Federal government	15.4	15.4	15.3	15.8	15.9	15.4	15.1	14.9	15.0	15.3	15.3	15.3	15.6
State government	19.9	19.8	20.4	20.5	20.3	20.4	19.9	18.3	18.6	19.2	20.4	20.8	20.7
State government education	12.1	12.0	12.7	12.8	12.6	12.6	12.0	10.4	10.7	11.3	12.6	12.9	12.9
State government, except education ...	7.8	7.7	7.7	7.7	7.8	7.8	7.9	7.9	7.9	7.8	7.8	7.8	7.8
Local government	52.8	52.4	52.1	53.0	53.0	53.6	52.6	49.2	48.8	53.0	53.5	59.0	53.7
Local government education	29.7	30.3	30.8	30.9	30.6	31.0	29.4	25.6	25.3	29.9	30.4	31.0	30.9
Local government, except education ...	23.1	22.1	21.3	22.1	22.4	22.6	23.2	23.6	23.4	23.1	23.1	28.1	22.8

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-3 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI MSA, 1987^a
(in thousands)

1.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	677.7	650.6	654.5	657.1	673.0	679.8	680.0	677.6	682.8	689.8	692.1	695.3	700.0
MANUFACTURING	146.0	142.9	146.2	142.7	146.9	147.6	144.7	146.1	149.5	146.4	145.9	146.7	146.9
Durable Goods ^b	79.5	77.9	80.7	77.2	81.1	81.4	78.2	78.8	82.3	79.6	78.6	79.3	79.3
Fabricated metal products	10.6	10.2	10.2	10.3	10.4	10.6	10.2	10.5	10.6	10.6	11.1	11.1	11.1
Fabricated structural metal products ..	4.2	3.9	3.9	4.0	4.2	4.3	3.9	4.1	4.1	4.2	4.1	4.4	4.3
Machinery, except electrical	20.7	20.7	20.5	20.4	20.5	20.7	20.8	20.9	20.8	20.8	20.6	20.6	20.5
Metalworking machinery	8.5	8.5	8.4	8.3	8.3	8.3	8.4	8.6	8.6	8.6	8.5	8.5	8.6
General industrial machinery	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	3.0	3.0
Electric and electronic equipment	7.7	7.4	7.5	7.1	7.4	7.5	7.7	7.7	7.8	8.1	8.0	8.1	8.3
Transportation equipment	26.8	26.2	29.1	25.8	29.1	29.0	25.8	25.9	29.1	26.1	24.6	25.5	25.5
Motor vehicles and equipment	6.2	5.6	8.5	5.2	8.5	8.5	5.2	5.1	8.5	5.4	4.1	5.1	5.2
Nondurable Goods ^c	66.5	65.0	65.5	65.6	65.8	66.2	66.5	67.3	67.2	66.7	67.3	67.4	67.6
Food and kindred products	12.9	12.6	12.6	12.8	13.0	13.1	12.9	13.0	13.0	12.7	12.9	12.8	12.8
Beverages	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.9	3.8	3.6	3.6	3.6	3.6
Apparel and other textile products	3.5	3.3	3.4	3.5	3.5	3.6	3.6	3.4	3.4	3.4	3.5	3.6	3.6
Paper and allied products	6.2	6.0	6.1	6.0	6.0	6.1	6.2	6.3	6.3	6.4	6.2	6.2	6.2
Printing and publishing	13.4	13.1	13.2	13.1	13.3	13.3	13.2	13.6	13.5	13.3	13.6	13.7	13.8
Commercial printing	5.9	5.5	5.7	5.8	5.7	5.8	5.9	6.0	6.0	6.0	6.1	6.1	6.2
Chemicals and allied products	22.4	22.1	22.3	22.4	22.1	22.2	22.5	22.7	22.6	22.5	22.4	22.5	22.5
Rubber and misc. plastics products	5.8	5.6	5.5	5.5	5.6	5.6	5.7	5.8	5.9	6.0	6.2	6.2	6.3
NONMANUFACTURING ^d	531.7	507.6	508.3	514.4	526.1	532.2	535.3	531.6	533.3	543.4	546.2	548.5	553.1
CONSTRUCTION	29.5	25.5	25.1	26.1	27.9	28.9	30.2	31.7	32.0	32.3	32.2	31.5	30.7
TRANSPORTATION AND PUBLIC UTILITIES	35.7	34.2	34.1	34.0	34.9	35.3	35.7	36.0	36.2	37.0	37.0	37.1	37.3
Trucking and warehousing	10.0	9.5	9.5	9.6	9.6	9.9	10.0	10.1	10.2	10.3	10.3	10.3	10.4
Communication, electric, gas services ..	15.1	15.0	14.9	14.9	14.9	14.9	15.1	15.3	15.3	15.3	15.1	15.1	15.2
WHOLESALE TRADE	43.7	43.3	43.4	43.7	43.5	43.4	43.6	43.8	43.6	43.6	44.1	44.0	44.3
Wholesale trade-durable goods	25.7	25.4	25.4	25.6	25.7	25.7	25.7	25.8	25.8	25.7	25.7	25.7	25.7

See footnotes at end of table.

RS-790-1-3 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1987^a (continued)
(in thousands)

2.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	127.1	121.0	119.8	121.5	123.8	125.5	126.1	127.0	127.6	128.8	131.7	134.6	138.0
General merchandise stores	18.5	18.2	17.0	17.4	17.3	17.7	17.6	18.1	18.4	18.6	19.6	20.6	21.7
FINANCE, INSURANCE, AND REAL ESTATE	40.4	38.9	39.0	39.3	39.9	40.2	40.8	40.6	40.7	40.9	41.1	41.3	41.7
Banking	8.7	8.5	8.5	8.5	8.6	8.7	8.7	8.8	8.8	8.8	8.9	9.0	9.0
Insurance carriers	13.9	13.6	13.6	13.7	13.7	13.8	14.0	13.9	13.9	14.1	14.2	14.3	14.4
SERVICES	168.0	157.5	158.6	160.9	166.8	169.0	172.0	172.2	172.8	173.6	171.2	170.1	171.4
Hotels and other lodging places	6.7	5.7	5.8	6.0	6.3	6.5	6.8	7.1	7.4	7.3	7.1	7.1	7.1
Personal services	8.5	8.3	8.3	8.4	8.7	8.2	8.4	8.4	8.4	8.5	8.6	8.5	8.7
Business services	39.6	37.5	37.5	37.9	38.5	38.8	39.5	40.0	40.5	40.7	41.2	41.5	41.9
Amusement and recreation services	8.3	5.3	5.3	5.8	8.3	10.0	11.2	11.3	11.1	11.0	7.4	6.2	7.2
Health services	52.2	50.6	50.8	51.0	51.8	51.9	52.5	52.5	52.8	52.9	53.1	53.3	53.5
Hospitals	25.0	24.4	24.5	24.6	24.8	24.9	25.3	25.0	25.1	25.2	25.5	25.6	25.7
GOVERNMENT	86.8	86.9	87.9	88.6	89.0	89.5	86.5	79.9	79.9	86.7	88.5	89.3	89.2
Federal government	14.9	14.6	15.0	15.3	15.5	15.2	14.7	14.4	14.6	14.8	14.7	14.9	15.4
State government	19.8	19.7	20.2	20.3	20.4	20.4	19.8	18.1	18.3	19.3	20.4	20.6	20.4
State government education	11.9	11.8	12.3	12.5	12.4	12.4	11.7	10.1	10.2	11.4	12.6	12.8	12.6
State government, except education ...	7.9	7.9	7.8	7.8	8.0	7.9	8.1	8.1	8.1	7.9	7.8	7.7	7.7
Local government	52.1	52.6	52.7	52.9	53.1	53.9	52.0	47.3	46.9	52.6	53.4	53.9	53.4
Local government education	29.7	30.9	31.2	31.2	31.0	31.6	29.4	24.0	23.8	29.6	30.7	31.3	31.2
Local government, except education ...	22.4	21.7	21.5	21.7	22.1	22.3	22.7	23.3	23.2	23.0	22.7	22.6	22.2

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-3 (1987)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI SMSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$11.15	\$11.16	\$11.08	\$10.80	\$11.01	\$11.06	\$11.11	\$11.10	\$11.23	\$11.25	\$11.26	\$11.31	\$11.33
Durable Goods ^b	11.02	11.13	11.08	10.34	10.85	10.88	11.02	10.85	11.04	11.06	11.16	11.30	11.33
Fabricated metal products	9.98	9.98	9.89	9.77	9.89	9.89	9.98	9.97	10.04	10.06	10.06	10.07	10.15
Fabricated structural metal products ..	10.37	9.95	9.96	9.75	9.95	10.02	10.26	10.59	10.64	10.73	10.74	10.83	10.90
Machinery, except electrical	10.14	10.10	10.06	10.04	10.10	9.99	10.08	10.12	10.10	10.21	10.28	10.37	10.22
Metalworking machinery	11.17	11.35	11.34	11.32	11.30	11.03	11.08	11.11	11.07	11.00	11.15	11.24	11.13
General industrial machinery	9.61	9.29	9.24	9.23	9.63	9.56	9.61	9.65	9.44	9.82	9.80	9.94	10.03
Electric and electronic equipment	8.60	8.56	8.45	8.46	8.47	8.37	8.34	8.53	8.58	8.55	8.85	8.89	9.03
Transportation equipment	15.49	15.29	15.42	16.25	15.01	15.26	15.47	15.16	15.48	15.52	15.48	15.82	16.03
Motor vehicles and equipment	17.04	16.36	16.70	16.86	16.92	17.04	17.33	16.41	17.11	17.24	17.10	17.38	17.70
Non durable Goods ^c	11.27	11.18	11.07	11.17	11.16	11.22	11.21	11.33	11.40	11.44	11.36	11.31	11.34
Food and kindred products	11.80	12.02	11.61	11.66	11.74	11.71	11.61	12.17	11.79	11.80	11.89	11.81	11.77
Beverages	12.46	12.56	12.46	12.41	12.48	12.32	12.52	12.55	12.49	12.45	12.45	12.42	12.45
Apparel and other textile products	5.88	5.63	5.71	5.80	5.96	5.97	5.87	5.73	5.85	5.91	6.07	6.05	6.01
Paper and allied products	10.10	9.92	9.90	9.87	9.96	10.10	10.08	10.13	10.18	10.15	10.16	10.29	10.38
Printing and publishing	11.41	11.40	11.51	11.71	11.40	11.37	11.24	11.30	11.43	11.50	11.42	11.23	11.41
Commercial printing	11.54	11.60	11.79	12.01	11.40	11.39	11.37	11.38	11.60	11.57	11.46	11.21	11.60
Chemicals and allied products	13.19	12.98	12.85	12.99	13.03	13.17	13.19	13.22	13.41	13.45	13.32	13.37	13.24
Rubber and misc. plastics products	9.34	9.16	9.24	9.26	9.35	9.21	9.30	9.25	9.27	9.58	9.42	9.46	9.49
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.85	13.64	13.60	13.64	13.61	13.80	13.85	13.83	13.91	14.09	14.08	14.10	14.02
WHOLESALE TRADE	10.03	9.80	9.88	9.89	9.91	10.02	10.06	10.06	10.09	10.16	10.19	10.19	10.05
RETAIL TRADE ^d	5.73	5.73	5.70	5.65	5.71	5.72	5.67	5.68	5.71	5.78	5.79	5.83	5.82

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-4-3 (1988)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.5	43.1	42.1	42.0	42.0	42.1	42.0	41.6	42.4	43.0	43.0	43.1	43.5
Durable Goods ^b	42.7	43.1	42.7	41.7	42.1	42.3	42.6	41.4	42.6	43.1	43.3	43.7	43.9
Fabricated metal products	42.7	42.9	41.8	40.6	42.1	42.3	42.0	42.2	42.4	43.3	43.4	44.6	44.4
Fabricated structural metal products ..	44.0	42.9	41.7	39.5	42.9	43.5	43.6	45.2	45.4	45.8	45.9	45.7	46.7
Machinery, except electrical	42.6	42.6	42.2	42.0	42.4	42.8	42.7	42.4	42.5	43.1	42.9	42.9	42.6
Metalworking machinery	43.9	43.4	42.7	43.6	43.4	44.6	44.5	44.1	44.5	44.7	44.2	43.4	43.4
General industrial machinery	43.5	44.3	44.0	42.1	44.0	44.2	45.6	43.8	41.4	43.9	41.7	43.3	44.0
Electric and electronic equipment	39.7	40.8	39.3	39.4	38.8	38.8	39.1	38.6	39.4	39.0	40.2	40.8	42.0
Transportation equipment	46.0	46.9	47.4	46.6	44.9	45.4	46.6	41.9	45.3	46.1	46.2	47.2	47.5
Motor vehicles and equipment	48.6	46.4	47.9	47.9	49.3	50.0	51.7	38.2	49.4	50.1	49.9	50.6	51.2
Nondurable Goods ^c	42.3	43.1	41.5	42.3	42.0	41.9	41.5	41.7	42.3	43.0	42.7	42.6	43.1
Food and kindred products	43.1	46.1	42.3	42.0	41.5	41.7	41.6	43.9	43.4	43.8	44.1	43.6	42.8
Beverages	41.4	42.4	42.5	41.9	41.6	41.0	41.5	41.9	41.8	40.9	40.5	40.3	41.2
Apparel and other textile products	38.1	36.8	36.7	39.9	38.5	38.2	37.0	36.5	36.9	38.4	39.1	39.9	39.5
Paper and allied products	42.7	42.5	41.6	41.9	42.6	42.5	41.9	41.7	43.2	44.1	43.7	43.4	43.5
Printing and publishing	40.6	41.5	41.2	41.6	40.1	39.9	39.7	40.4	40.5	41.5	39.5	39.3	41.5
Commercial printing	43.5	43.6	44.5	45.0	42.8	42.5	41.8	43.3	44.0	45.6	42.5	41.4	44.6
Chemicals and allied products	42.6	43.2	41.3	42.6	42.0	42.6	42.2	41.9	43.2	43.0	43.0	43.2	43.6
Rubber and misc. plastics products	44.6	44.2	42.4	43.6	46.5	44.2	43.2	41.7	43.0	45.4	47.1	46.5	46.8
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	40.6	40.0	39.7	40.1	40.1	40.3	40.7	41.1	41.4	40.8	40.9	40.8	40.8
WHOLESALE TRADE	40.7	40.8	40.2	40.7	40.2	40.5	40.4	40.4	40.7	41.0	41.3	41.2	41.4
RETAIL TRADE	29.2	28.7	28.5	29.1	29.2	28.9	29.6	29.7	29.6	29.2	29.0	28.8	29.5

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

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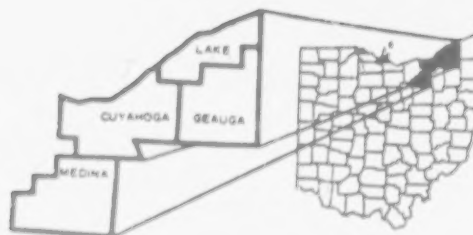
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$473.88	\$481.00	\$466.47	\$453.60	\$462.42	\$465.63	\$466.62	\$461.76	\$476.15	\$483.75	\$484.18	\$487.46	\$492.86
Durable Goods ^b	470.55	479.70	473.12	431.18	456.79	460.22	469.45	449.19	470.30	476.69	483.23	493.81	497.39
Fabricated metal products	426.15	428.14	413.40	396.66	416.37	418.35	419.16	420.73	425.70	435.60	436.60	449.12	450.66
Fabricated structural metal products ..	456.28	426.86	415.33	385.13	426.86	435.87	447.34	478.67	483.06	491.43	492.97	494.93	509.03
Machinery, except electrical	431.96	430.26	424.53	421.68	428.24	427.57	430.42	429.09	429.25	440.05	441.01	444.87	435.37
Metalworking machinery	490.36	492.59	484.22	493.55	490.42	491.94	493.06	489.95	492.62	491.70	492.83	487.82	483.04
General industrial machinery	418.04	411.55	406.56	388.58	423.72	422.55	438.22	422.67	390.82	431.10	408.66	430.40	441.32
Electric and electronic equipment	341.42	349.25	332.09	333.32	328.64	324.76	326.09	329.26	338.05	333.45	355.77	362.71	379.26
Transportation equipment	712.54	717.10	730.91	757.25	673.95	692.80	720.90	635.20	701.24	715.47	715.18	746.70	761.43
Motor vehicles and equipment	828.14	759.10	799.93	807.59	834.16	852.00	895.96	626.86	845.23	863.72	853.29	879.43	906.24
Nondurable Goods ^c	476.72	481.86	459.41	472.49	468.72	470.12	465.22	472.46	482.22	491.92	485.07	481.81	488.75
Food and kindred products	508.58	554.12	491.10	489.72	487.21	488.31	482.98	534.26	511.69	516.84	524.35	514.92	503.76
Beverages	515.84	532.54	529.55	519.98	519.17	505.12	519.58	525.85	522.08	509.21	504.23	500.53	512.94
Apparel and other textile products	224.03	207.18	209.56	231.42	229.46	228.05	217.19	209.15	215.87	226.94	237.34	241.40	237.40
Paper and allied products	431.27	421.60	411.84	413.55	424.30	429.25	422.35	422.42	439.78	447.62	443.99	446.59	451.53
Printing and publishing	463.25	473.10	474.21	487.14	457.14	453.66	446.23	456.52	462.92	477.25	451.09	441.34	473.52
Commercial printing	501.99	505.76	524.66	540.45	487.92	484.08	475.27	492.75	510.40	527.59	487.05	464.09	517.36
Chemicals and allied products	561.89	560.74	530.71	553.37	547.26	561.04	556.62	553.92	579.31	578.35	572.76	577.58	577.26
Rubber and misc. plastics products	416.56	404.87	391.78	403.74	434.78	407.08	401.76	385.73	398.61	434.93	443.68	439.89	444.13
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	562.31	545.60	539.92	546.96	545.76	556.14	563.70	568.41	575.87	574.87	575.87	575.28	572.02
WHOLESALE TRADE	408.22	399.84	397.18	402.52	398.38	405.81	406.42	406.42	410.66	416.56	420.85	419.83	416.07
RETAIL TRADE ^d	167.32	164.45	162.45	164.42	166.73	165.31	167.83	168.70	169.02	168.78	167.91	167.90	171.69
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	260.96	255.28	259.51	260.29	260.41	256.87	260.77	265.67	262.51	262.00	262.95	262.11	262.76

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

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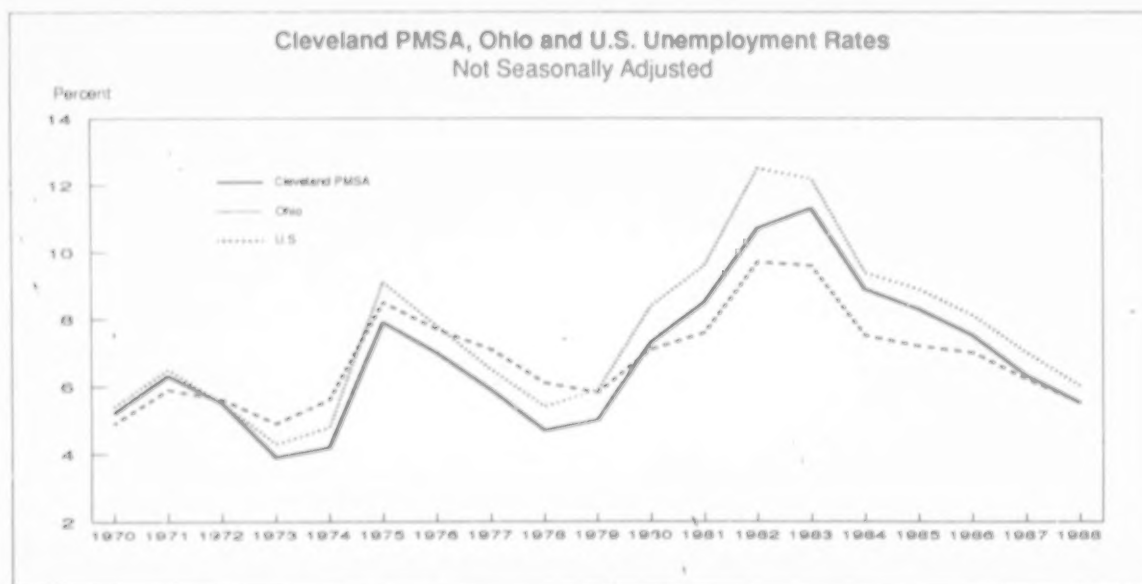
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Based on place of residence, the estimated annual average civilian labor force in the Cleveland metropolitan area increased 6,700 from 1987 to 933,700 in 1988. Total employment gained 13,300 over the year, while unemployment recorded a decrease of 6,600. The unemployment rate dropped from 6.3 percent in 1987 to 5.5 percent in 1988. (See table, page 65, top.)

Total nonfarm payroll employment increased 13,000, from 891,600 in 1987 to 904,600 in 1988. Nonmanufacturing employment advanced 11,900 over the year. Significant improvements occurred in services, retail trade, finance, insurance, and real estate, and wholesale trade. Nearly 1,100 jobs were added to the manufacturing workforce during the period. Modest growth was noted in nonelectrical machinery and primary metal industries. Employment declined in food and kindred products, instruments and related products, printing and publishing, rubber and miscellaneous plastics products, and apparel and other textile products.

Nonagricultural wage and salary employment in the Cleveland area recovered 83.1 percent of jobs lost during the 1979-1983 recessionary period, a gain of 74,900. The primary growth sectors were services (+43,400) and retail trade (+21,700). Although manufacturing employment increased from 1987, it remained 5,600 below the 1983 recessionary level and 74,600 below the 1979 level. Noteworthy reductions during the post-recessionary period occurred in electric and electronic equipment, primary metal industries, nonelectrical machinery, and transportation equipment. Fabricated metal products recovered 7.8 percent of lost jobs, an increase of 1,100 above the 1983 level. (See table, page 65, bottom.)



Cleveland PMSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage & Salary Employment		
Employment			Unemployment				Manufacturing		
			Unemployment Rate ^b						
			PMSA	Ohio	U.S.				Nonmfg.
873.2	825.2	48.0	5.5	5.5	5.6	1972	838.1	273.9	564.2
883.9	849.0	34.9	3.9	4.3	4.9	1973	865.2	288.1	577.1
899.1	861.4	37.7	4.2	4.8	5.6	1974	879.2	287.1	592.1
896.9	826.3	70.6	7.9	9.1	8.5	1975	850.6	260.3	590.3
897.7	834.4	63.3	7.0	7.8	7.7	1976	860.0	265.1	594.9
908.5	854.4	54.0	5.9	6.5	7.1	1977	880.9	270.8	610.2
921.7	878.5	43.2	4.7	5.4	6.1	1978	905.8	275.6	630.2
935.8	889.1	46.7	5.0	5.9	5.8	1979	919.8	276.3	643.5
937.1	869.1	68.0	7.3	8.4	7.1	1980	895.7	254.9	640.8
933.9	854.0	79.8	8.5	9.6	7.6	1981	880.7	246.8	633.9
933.4	833.2	100.2	10.7	12.5	9.7	1982	844.6	223.0	621.7
928.7	823.4	105.3	11.3	12.2	9.6	1983	829.8	207.3	622.5
923.6	841.0	82.6	8.9	9.4	7.5	1984	854.5	213.8	640.7
926.0	849.2	76.8	8.3	8.9	7.2	1985	868.7	211.2	657.5
932.8	862.7	70.1	7.5	8.1	7.0	1986	879.2	204.9	674.4
927.0	869.0	58.0	6.3	7.0	6.2	1987	891.6	200.6	691.0
933.7	882.3	51.4	5.5	6.0	5.5	1988	904.6	201.7	702.9

^aCivilian labor force estimates are based on place of residence.

Nonagricultural wage and salary employment estimates are based on place of work.

^bUnemployment as percent of civilian labor force.

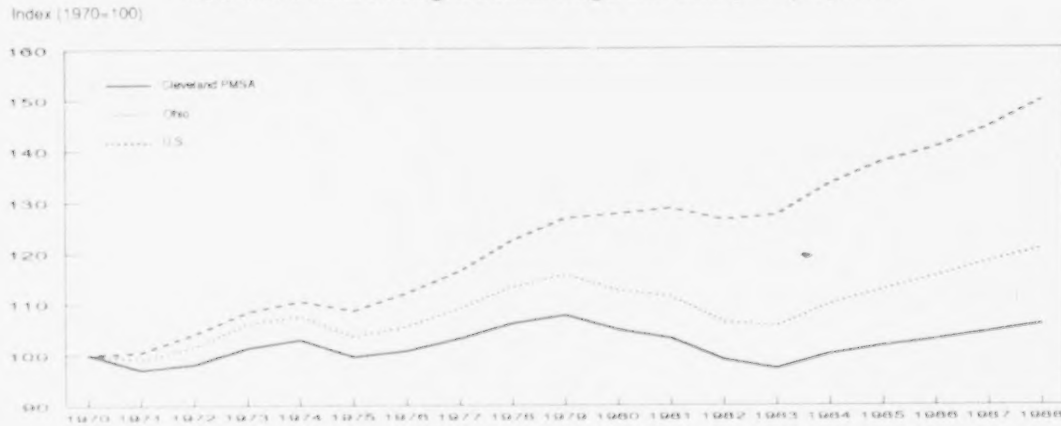
Nonagricultural Wage and Salary Employment in Selected Industries
In the Cleveland Primary Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

Industry	Employment (In thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983	1983 - 1988	PMSA	Ohio
TOTAL	919.8	829.8	904.6	-90.1	74.9	83.1	150.5
Manufacturing	276.3	207.3	201.7	-69.0	-5.6	-	11.7
Durable Goods	205.1	143.9	138.2	-61.2	-5.7	-	7.8
Primary Metal Industries	31.6	24.1	21.4	-7.6	-2.7	-	-
Fabricated Metal Products	45.5	31.1	32.2	-14.4	1.1	7.8	7.2
Machinery, Except Electrical	50.7	30.9	29.8	-19.8	-1.1	-	6.3
Electric and Electronic Equipment	26.5	21.3	17.9	-5.2	-3.4	-	-
Transportation Equipment	31.8	20.3	19.4	-11.5	-0.9	-	28.8
Motor Vehicles and Equipment	24.0	13.9	12.2	-10.1	-1.8	-	23.9
Nondurable Goods	71.2	63.4	63.5	-7.8	1	1.8	29.0
Construction	33.5	25.3	27.6	-8.2	2.3	28.0	101.3
Transportation and Public Utilities	47.8	40.9	41.4	-6.9	0.4	6.6	38.7
Communication, Electric, Gas Services	18.9	19.4	17.5	.5	-1.9	+	+
Wholesale Trade	65.3	58.9	62.8	-6.4	3.9	60.6	308.7
Retail Trade	146.8	135.9	157.6	-10.9	21.7	200.2	527.1
Finance, Insurance, and Real Estate	47.9	48.4	56.9	.5	8.4	+	+
Services	182.5	195.7	239.1	13.3	43.4	+	+
Government	118.2	116.1	116.5	-2.1	0.4	18.8	227.4

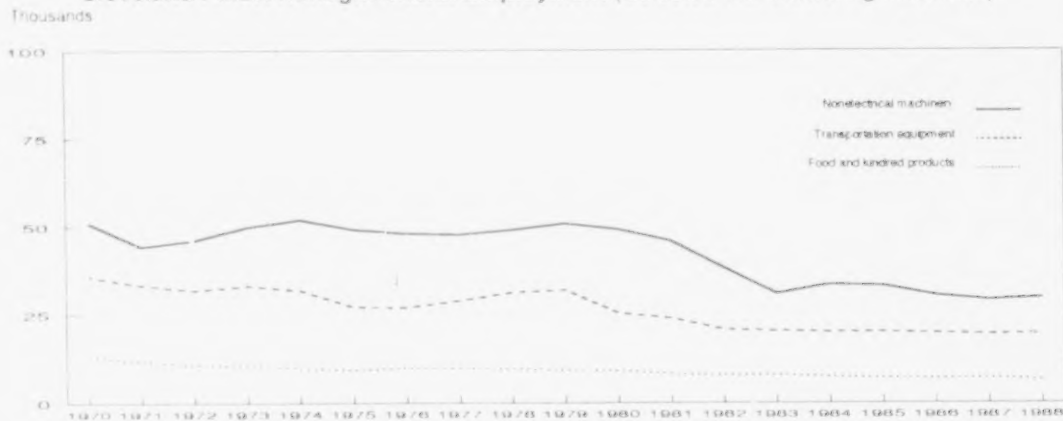
+ No Downturn, 1979 - 1983.

- No Uplift, 1983 - 1988.

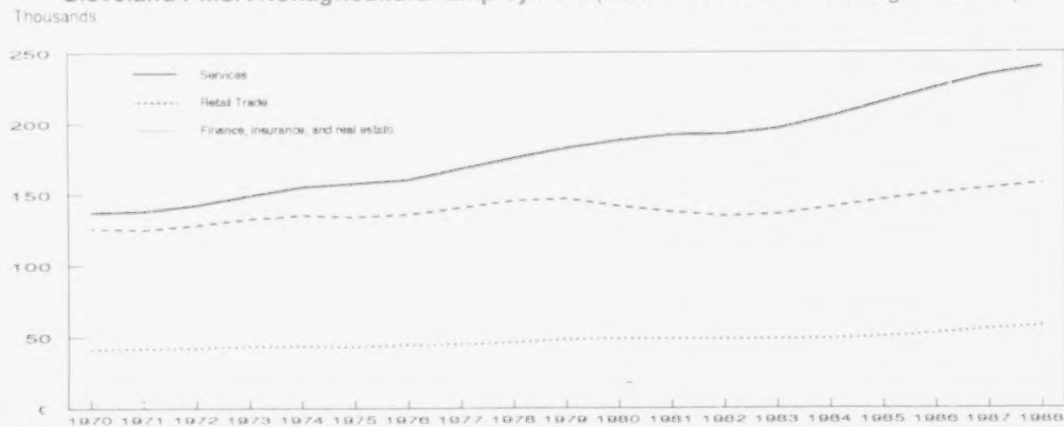
Indexes of Total Nonagricultural Wage and Salary Employment



Cleveland PMSA Nonagricultural Employment (Selected Manufacturing Industries)



Cleveland PMSA Nonagricultural Employment (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND MSA, 1988^a
(in thousands)

1.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	904.6	882.7	880.1	886.5	894.9	902.7	911.0	911.2	907.4	911.4	917.1	926.2	924.5
MANUFACTURING	201.7	200.4	199.3	200.2	200.1	200.6	202.2	200.8	200.9	202.8	203.7	204.5	205.4
Durable Goods^b	138.2	137.3	136.6	137.1	137.2	137.2	138.4	137.4	137.5	138.7	139.6	140.4	141.0
Primary metal industries	21.4	21.2	21.3	21.4	21.4	21.3	21.4	21.2	21.1	21.5	21.5	21.7	21.8
Iron and steel foundries	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.4	4.7	4.6	4.7	4.7
Fabricated metal products	32.2	32.2	32.1	32.3	32.3	32.3	32.4	31.9	31.8	31.9	32.1	32.5	32.7
Fabricated structural metal products ..	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	4.0	3.9
Screw machine products, bolts, etc. ..	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.9
Metal forgings and stampings	10.9	11.0	11.0	11.1	11.0	11.0	11.0	10.8	10.6	10.7	10.8	11.1	11.2
Machinery, except electrical	29.8	29.5	29.1	29.2	29.4	29.2	29.7	30.0	29.8	29.9	30.2	30.4	30.6
Construction and related machinery ...	2.6	2.6	2.6	2.5	2.6	2.5	2.6	2.6	2.6	2.5	2.6	2.5	2.6
Metalworking machinery	9.9	9.8	9.8	9.8	9.8	9.8	10.0	10.0	9.9	10.0	10.0	10.1	10.1
Special industry machinery	2.6	2.9	2.5	2.5	2.5	2.5	2.6	2.7	2.7	2.7	2.7	2.7	2.6
General industrial machinery	3.1	3.0	3.0	3.1	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.3
Electric and electronic equipment	17.9	17.8	17.7	17.8	17.7	17.8	18.2	17.5	18.0	18.0	18.0	17.9	17.9
Electrical industrial apparatus	6.3	6.1	6.1	6.1	6.1	6.3	6.5	5.9	6.5	6.5	6.5	6.6	6.5
Transportation equipment	19.4	19.4	19.2	19.1	19.1	19.1	19.1	19.2	19.3	19.6	20.0	20.1	20.2
Motor vehicles and equipment	12.2	12.1	11.9	11.8	11.8	11.9	11.9	11.9	12.1	12.3	12.7	12.7	12.9
Instruments and related products	6.5	6.7	6.6	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Measuring and controlling devices	4.4	4.5	4.4	4.5	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4
Nondurable Goods^c	63.5	63.1	62.7	63.1	63.0	63.4	63.8	63.4	63.4	64.1	64.1	64.1	64.4
Food and kindred products	6.5	6.6	6.5	6.5	6.6	6.5	6.6	6.2	6.0	6.6	6.7	6.7	6.8
Apparel and other textile products	3.6	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	3.5	3.6	3.6	3.6
Paper and allied products	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.9	6.0	5.9	6.0	5.9	6.0
Printing and publishing	15.9	16.2	15.9	16.0	15.8	15.8	15.9	16.0	16.0	15.9	15.9	16.0	16.0
Chemicals and allied products	14.9	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.1	15.0	14.9	14.9	15.1
Rubber and misc. plastics products	11.4	11.3	11.3	11.2	11.2	11.4	11.4	11.3	11.4	11.6	11.6	11.6	11.7

See footnotes at end of table.

RS-790-1-4 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1988^a (continued)
(in thousands)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING^d	702.9	682.3	680.8	686.3	694.8	702.1	708.8	710.4	706.5	708.6	713.4	721.7	719.1
CONSTRUCTION	27.6	24.0	23.2	24.4	26.0	27.6	29.0	30.0	30.2	30.1	30.0	29.3	27.8
TRANSPORTATION AND PUBLIC UTILITIES	41.4	40.3	40.0	40.3	40.8	41.2	41.6	41.7	41.8	41.8	42.1	42.1	42.4
Trucking and warehousing	12.1	11.6	11.7	11.7	11.8	11.9	12.1	12.1	12.2	12.2	12.4	12.5	12.8
Communication, electric, gas services ..	17.5	17.3	17.4	17.4	17.4	17.4	17.6	17.7	17.7	17.7	17.6	17.6	17.6
WHOLESALE TRADE	62.8	61.3	61.4	61.9	62.1	62.4	63.1	63.3	63.3	63.3	63.6	63.6	63.9
Wholesale trade-durable goods	43.6	42.8	42.8	43.1	43.2	43.3	43.8	43.9	44.0	43.9	44.1	44.2	44.3
RETAIL TRADE	157.6	154.1	151.7	152.3	154.5	157.1	158.4	158.6	158.6	158.5	159.8	162.1	166.0
General merchandise stores	20.8	21.7	20.5	20.0	20.0	20.1	20.2	20.1	19.9	20.2	20.9	22.3	23.5
FINANCE, INSURANCE, AND REAL ESTATE	56.9	55.4	55.4	55.7	56.0	56.3	57.2	57.8	58.0	57.6	57.7	57.6	57.8
Banking	14.2	14.0	14.0	14.0	14.0	14.0	14.1	14.4	14.5	14.3	14.3	14.2	14.2
Credit agencies other than banks	8.8	8.8	8.7	8.7	8.7	8.7	8.8	8.9	8.9	8.8	8.7	8.7	8.8
Insurance carriers	14.0	13.6	13.7	13.7	13.8	13.9	14.0	14.1	14.1	14.2	14.4	14.4	14.4
SERVICES	239.1	230.7	231.8	233.9	237.7	239.6	241.5	241.0	240.9	242.7	243.7	243.0	243.1
Business services	54.5	51.9	52.0	52.5	53.6	53.9	54.8	55.3	55.7	55.9	56.0	55.9	56.4
Amusement and recreation services	7.6	6.0	5.6	6.0	7.4	8.5	9.1	9.6	9.5	9.0	7.5	6.8	6.4
Health services	77.0	76.5	76.5	76.4	76.2	76.2	76.7	77.3	77.3	77.2	77.6	77.7	78.1
Hospitals	43.7	44.0	43.9	43.8	43.5	43.4	43.6	43.8	43.7	43.5	43.6	43.6	43.9
GOVERNMENT	116.5	115.4	116.3	116.9	116.7	117.0	117.3	117.2	112.6	113.5	115.5	122.8	117.0
Federal government	20.9	20.8	20.8	20.8	20.9	20.8	21.0	20.9	20.9	20.7	20.8	20.8	21.2
State government	8.3	8.0	8.2	8.5	8.7	8.3	8.6	8.3	7.9	7.7	8.3	8.1	8.6
State government education	3.1	3.0	3.3	3.4	3.4	3.1	3.3	2.9	2.6	2.6	3.3	3.1	3.6
State government, except education ...	5.1	5.1	5.0	5.0	5.3	5.2	5.3	5.4	5.3	5.1	5.0	5.0	5.1
Local government	87.4	86.6	87.3	87.6	87.2	87.9	87.7	88.0	83.9	85.0	86.4	93.9	87.2
Local government education	43.2	43.6	44.5	45.2	44.4	45.1	43.5	41.3	37.6	41.6	43.4	44.5	44.2
Local government, except education ...	44.1	43.0	42.7	42.4	42.8	42.9	44.2	46.7	46.3	43.4	43.0	49.4	42.9

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND MSA, 1987^a
(in thousands)

1.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	891.6	867.1	868.5	871.3	880.2	889.5	899.3	900.9	898.7	896.6	905.4	908.7	913.2
MANUFACTURING	200.6	199.9	199.6	199.3	199.5	200.0	201.3	200.3	199.6	200.5	201.9	202.4	203.4
Durable Goods ^b	136.7	136.8	136.4	136.2	135.9	135.9	136.4	135.6	135.2	136.6	137.8	138.3	139.3
Primary metal industries	21.0	20.7	20.8	20.9	20.9	20.8	21.0	21.0	20.9	21.1	21.0	21.2	21.5
Iron and steel foundries	5.0	5.3	5.2	5.2	5.2	5.1	5.1	4.9	4.7	4.8	4.7	4.7	4.8
Fabricated metal products	32.0	31.7	31.5	31.6	32.0	32.2	32.5	31.9	31.8	31.9	32.1	32.2	32.5
Fabricated structural metal products..	3.9	3.8	3.6	3.6	3.9	4.0	4.1	4.0	4.0	4.1	4.1	4.1	4.1
Screw machine products, bolts, etc. ..	4.8	4.6	4.6	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0
Metal forgings and stampings	11.1	11.1	11.1	11.3	11.3	11.3	11.4	10.9	10.8	10.8	10.9	10.9	11.0
Machinery, except electrical	29.1	29.2	29.1	28.9	28.8	28.7	28.9	28.8	28.7	29.0	29.5	29.6	29.8
Construction and related machinery ...	2.5	2.5	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6
Metalworking machinery	9.7	9.7	9.7	9.7	9.6	9.5	9.6	9.6	9.6	9.7	9.8	9.9	9.9
Special industry machinery	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	3.0	2.9
General industrial machinery	3.0	3.0	3.0	3.0	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.0
Electric and electronic equipment	17.7	18.4	18.2	18.0	17.6	17.6	17.3	17.3	17.3	17.4	17.7	17.8	17.9
Electrical industrial apparatus	6.0	6.1	6.1	6.1	6.0	5.9	6.0	5.9	5.9	6.0	6.1	6.2	6.2
Transportation equipment	19.4	19.5	19.6	19.5	19.3	19.2	19.3	19.0	18.9	19.5	19.5	19.6	19.7
Motor vehicles and equipment	12.1	12.3	12.4	12.4	12.1	11.9	11.9	11.6	11.5	12.0	12.1	12.2	12.3
Instruments and related products	6.8	6.9	6.8	6.9	6.7	6.7	6.7	6.7	6.8	6.8	6.7	6.8	6.8
Measuring and controlling devices	4.4	4.2	4.2	4.2	4.2	4.2	4.3	4.4	4.5	4.5	4.5	4.6	4.6
Non-durable Goods ^c	63.9	63.1	63.2	63.1	63.6	64.1	64.9	64.7	64.4	63.9	64.2	64.0	64.1
Food and kindred products	6.9	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0
Apparel and other textile products	3.8	4.1	4.1	4.1	4.1	4.1	4.1	3.8	3.7	3.6	3.5	3.5	3.5
Paper and allied products	5.8	5.5	5.5	5.5	5.5	5.6	5.8	5.9	6.0	6.0	6.0	6.0	6.1
Printing and publishing	16.2	15.9	15.9	15.9	15.9	16.1	16.3	16.4	16.4	16.2	16.5	16.4	16.6
Chemicals and allied products	14.6	14.1	14.2	14.3	14.4	14.7	15.0	15.0	14.9	14.8	14.7	14.7	14.8
Rubber and misc. plastics products	11.7	11.8	11.9	11.8	11.8	11.9	11.9	11.6	11.5	11.5	11.5	11.5	11.2

See footnotes at end of table.

RS-790-1-4 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1987^a (continued)
(in thousands)

2.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING ^d	691.0	667.2	669.0	672.1	680.7	689.5	697.9	700.6	699.1	696.1	703.4	706.3	709.8
CONSTRUCTION	28.4	23.7	23.2	24.0	25.8	28.4	29.9	31.1	31.4	31.2	31.7	30.8	29.6
TRANSPORTATION AND PUBLIC UTILITIES	41.5	40.5	40.4	40.6	41.2	41.2	41.3	42.0	41.8	42.0	42.1	42.1	42.2
Trucking and warehousing	11.9	11.1	11.1	11.3	11.7	11.8	12.0	12.2	12.2	12.4	12.1	12.2	12.7
Communication, electric, gas services ..	18.1	18.6	18.6	18.5	18.1	17.8	17.7	18.1	18.0	17.9	17.9	17.9	17.5
WHOLESALE TRADE	60.9	59.9	60.1	60.1	60.2	60.6	61.0	61.2	61.2	61.2	61.2	61.5	61.9
Wholesale trade-durable goods	42.2	41.6	41.7	41.7	41.8	42.0	42.3	42.4	42.4	42.4	42.5	42.6	42.8
RETAIL TRADE	154.0	149.5	149.0	148.6	150.5	153.5	154.9	155.0	154.9	154.4	156.0	158.6	163.5
General merchandise stores	20.9	21.3	20.6	20.5	20.3	20.2	20.4	20.2	20.1	20.1	20.8	22.5	23.7
FINANCE, INSURANCE, AND REAL ESTATE	54.9	53.0	53.3	53.5	53.6	54.2	55.1	56.0	56.2	56.1	56.2	56.1	56.1
Banking	13.8	13.2	13.2	13.2	13.3	13.4	13.7	14.0	14.1	14.2	14.3	14.3	14.3
Credit agencies other than banks	8.7	8.6	8.5	8.5	8.6	8.7	8.8	8.9	8.9	8.8	8.8	8.8	8.7
Insurance carriers	13.7	13.1	13.2	13.4	13.3	13.5	13.7	14.0	14.0	13.9	13.9	14.0	13.9
SERVICES	233.5	223.9	225.7	227.5	231.0	233.2	236.1	235.3	235.9	236.8	239.5	239.0	238.0
Business services	53.4	50.3	50.4	51.4	52.6	52.6	53.6	54.2	54.6	54.7	55.8	55.7	55.1
Amusement and recreation services	8.0	6.2	6.1	6.2	7.5	8.7	9.8	9.5	9.9	9.5	7.9	7.5	7.0
Health services	75.1	73.6	73.9	74.0	73.7	74.1	74.7	75.2	75.5	75.5	77.1	77.0	77.3
Hospitals	42.7	41.6	41.6	41.7	41.9	42.0	42.4	42.8	43.1	43.0	44.2	44.2	44.1
GOVERNMENT	116.8	115.4	116.2	116.8	117.4	117.6	118.6	118.9	116.7	113.3	115.6	117.2	117.4
Federal government	20.5	20.4	20.3	20.3	20.3	20.3	20.4	20.5	20.7	20.4	20.4	20.6	21.1
State government	8.3	8.4	8.3	8.6	8.8	8.1	8.5	8.2	7.9	7.7	8.2	8.2	8.5
State government education	3.1	3.1	3.3	3.3	3.4	3.0	3.3	2.8	2.4	2.5	3.2	3.2	3.5
State government, except education ...	5.2	5.3	5.0	5.2	5.4	5.1	5.3	5.3	5.4	5.2	5.0	5.0	5.0
Local government	88.0	86.6	87.6	87.9	88.3	89.1	89.6	90.3	88.1	85.2	87.1	88.4	87.9
Local government education	43.2	43.1	44.4	44.9	44.0	44.4	43.5	41.3	39.7	40.6	43.6	44.9	44.6
Local government, except education ...	44.8	43.5	43.1	43.0	44.4	44.7	46.1	49.0	48.5	44.7	43.4	43.5	43.3

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-4 (1987)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$11.84	\$11.71	\$11.66	\$11.73	\$11.81	\$11.83	\$11.86	\$11.69	\$11.79	\$11.91	\$11.93	\$12.03	\$12.15
Durable Goods ^b	12.44	12.32	12.25	12.30	12.40	12.45	12.48	12.25	12.40	12.52	12.51	12.61	12.71
Primary metal industries	12.78	13.01	12.73	12.85	12.78	12.74	12.77	12.50	12.70	12.79	12.81	12.83	12.84
Iron and steel foundries	17.67	17.65	17.12	17.60	17.59	17.52	17.70	16.88	17.61	17.87	18.09	17.88	18.39
Fabricated metal products	12.48	12.45	12.44	12.19	12.36	12.55	12.66	12.28	12.40	12.39	12.46	12.68	12.83
Fabricated structural metal products ..	9.80	9.64	9.51	9.61	9.74	9.76	9.83	9.78	9.82	9.89	9.91	9.92	10.11
Screw machine products, bolts, etc. ..	11.78	11.14	11.21	11.38	11.62	11.72	11.96	11.58	11.91	12.01	11.99	12.26	12.46
Metal forgings and stampings	15.11	15.20	15.13	14.62	14.94	15.19	15.36	14.91	15.03	14.96	14.98	15.29	15.65
Machinery, except electrical	11.80	11.39	11.51	11.74	11.73	11.80	11.77	11.62	11.59	11.86	12.05	12.17	12.23
Construction and related machinery ...	9.20	9.30	9.14	9.11	9.10	9.06	9.14	9.14	9.15	9.28	9.21	9.28	9.46
Metalworking machinery	10.99	10.72	10.68	10.82	10.78	10.76	10.73	10.89	10.98	11.08	11.40	11.41	11.52
Special industry machinery	11.57	11.82	11.82	11.72	11.69	11.52	11.63	11.40	11.35	11.43	11.40	11.52	11.61
General industrial machinery	11.31	11.38	11.47	11.28	11.32	11.22	11.13	11.26	11.12	11.37	11.33	11.20	11.57
Electric and electronic equipment	10.89	10.74	10.88	10.88	10.79	10.81	10.91	10.92	10.96	10.92	10.86	10.93	11.03
Electrical industrial apparatus	11.80	11.61	11.92	11.86	11.75	11.75	11.79	11.92	11.78	11.71	11.67	11.73	12.10
Transportation equipment	15.76	15.46	15.24	15.57	15.83	15.72	15.79	15.51	15.84	16.21	15.94	15.91	16.03
Motor vehicles and equipment	17.29	16.93	16.70	17.15	17.46	17.25	17.38	17.09	17.37	17.74	17.40	17.33	17.57
Instruments and related products	9.81	9.76	9.79	9.83	9.67	9.69	9.73	9.91	9.80	9.87	9.77	9.94	9.99
Measuring and controlling devices	10.46	10.28	10.36	10.41	10.20	10.28	10.38	10.65	10.44	10.51	10.54	10.73	10.70
Nondurable Goods^c	10.30	10.17	10.16	10.24	10.29	10.23	10.22	10.25	10.21	10.30	10.42	10.47	10.61
Food and kindred products	9.76	9.31	9.21	9.35	9.44	9.54	9.71	9.94	9.95	9.98	10.10	10.19	10.42
Apparel and other textile products	8.32	8.36	8.37	8.32	8.26	8.21	8.25	8.25	8.26	8.26	8.33	8.44	8.54
Paper and allied products	11.25	11.21	11.06	11.13	11.27	11.15	11.09	11.20	11.23	11.43	11.38	11.36	11.44
Printing and publishing	10.78	10.52	10.59	10.82	10.86	10.79	10.83	10.67	10.61	10.82	11.03	10.84	11.03
Chemicals and allied products	11.86	11.93	11.93	11.83	11.89	11.76	11.65	11.69	11.74	11.86	12.15	12.30	12.30
Rubber and misc. plastics products	8.97	8.93	8.85	8.89	8.88	8.95	8.98	8.98	8.99	8.95	9.09	9.13	9.05
TRANSPORTATION AND PUBLIC UTILITIES	14.39	14.22	14.14	14.09	14.10	14.23	14.23	14.38	14.66	14.67	14.60	14.75	14.93
Communication, electric, gas services ..	10.67	10.29	10.41	10.39	10.54	10.53	10.81	10.73	10.79	10.87	10.85	10.85	10.98
WHOLESALE TRADE	6.64	6.58	6.57	6.66	6.68	6.65	6.60	6.67	6.59	6.67	6.65	6.67	6.65
RETAIL TRADE^d	10.84	10.90	10.94	10.83	10.83	10.78	10.76	10.71	10.72	10.88	10.89	10.92	10.88
SERVICES	10.84	10.90	10.94	10.83	10.83	10.78	10.76	10.71	10.72	10.88	10.89	10.92	10.88
Health services	10.84	10.90	10.94	10.83	10.83	10.78	10.76	10.71	10.72	10.88	10.89	10.92	10.88
Hospitals	10.84	10.90	10.94	10.83	10.83	10.78	10.76	10.71	10.72	10.88	10.89	10.92	10.88

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND SMSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.3	43.0	42.9	43.5	43.4	43.4	43.7	42.7	42.7	43.2	43.4	43.9	44.3
Durable Goods ^b	44.4	43.9	43.8	44.5	44.3	44.5	44.9	43.5	43.7	44.4	44.6	45.2	45.4
Primary metal industries	46.5	46.3	45.5	46.3	46.5	47.1	47.6	45.3	46.2	45.9	47.2	47.0	47.4
Iron and steel foundries	49.6	50.9	46.6	48.9	49.0	50.1	50.7	43.4	50.4	49.6	50.7	52.2	53.4
Fabricated metal products	44.3	44.5	44.2	43.8	44.0	44.3	45.0	43.0	43.3	44.3	44.3	45.1	45.8
Fabricated structural metal products ..	40.6	39.6	39.1	39.8	39.9	39.1	40.7	40.2	39.9	41.9	42.1	42.5	42.3
Screw machine products, bolts, etc. ...	46.1	46.9	46.3	46.6	46.1	45.4	47.0	44.7	44.8	46.3	45.9	46.2	47.3
Metal forgings and stampings	46.8	46.5	46.6	45.0	45.7	47.3	48.5	45.1	46.0	46.7	46.6	48.3	49.1
Machinery, except electrical	43.4	42.3	42.5	43.2	43.7	43.2	43.2	42.7	42.2	43.4	44.3	44.8	45.2
Construction and related machinery ...	44.2	47.4	44.9	45.0	44.5	43.7	44.3	44.0	43.4	43.6	42.7	42.5	44.1
Metalworking machinery	41.7	41.4	40.3	41.1	41.2	41.1	41.0	42.0	41.3	41.7	42.6	42.7	43.5
Special industry machinery	41.1	40.9	41.5	41.6	40.7	40.3	40.8	39.5	40.8	40.7	41.8	41.5	43.6
General industrial machinery	44.9	43.5	44.0	43.2	44.2	43.4	43.8	44.9	43.9	46.4	46.6	47.1	47.4
Electric and electronic equipment	42.0	42.2	43.3	43.5	41.3	41.2	42.2	41.6	41.0	42.0	41.7	41.5	42.3
Electrical industrial apparatus	44.4	42.2	45.9	46.0	43.4	43.1	44.6	44.8	44.5	45.1	44.8	43.6	45.1
Transportation equipment	47.3	46.0	45.5	46.8	48.1	48.4	48.6	46.5	47.2	47.7	46.8	47.8	47.8
Motor vehicles and equipment	47.9	46.1	45.3	47.1	49.0	49.2	49.0	46.3	48.1	49.0	47.4	48.8	48.9
Instruments and related products	41.8	41.8	41.7	43.3	41.2	41.5	42.5	42.7	40.9	41.4	40.9	42.1	42.1
Measuring and controlling devices	42.1	41.9	41.5	43.4	40.3	40.6	41.6	43.8	42.9	42.2	41.7	42.6	43.0
Nondurable Goods ^c	40.8	41.0	40.7	41.0	41.3	40.8	40.8	40.7	40.3	40.5	40.7	40.9	41.4
Food and kindred products	41.4	41.0	42.0	42.3	41.2	40.7	40.0	41.8	41.2	40.3	42.1	41.4	43.1
Apparel and other textile products	39.5	40.4	39.4	39.5	39.4	39.6	39.3	40.1	38.5	39.7	38.9	39.0	39.8
Paper and allied products	41.8	42.5	41.8	41.7	42.2	41.2	40.4	41.6	41.3	42.9	41.3	42.1	42.7
Printing and publishing	36.9	37.0	37.3	38.1	37.8	36.9	36.6	35.5	35.3	36.5	36.8	36.9	38.4
Chemicals and allied products	43.0	43.2	42.9	42.2	43.3	42.8	43.5	43.1	42.9	42.8	42.8	43.7	42.6
Rubber and misc. plastics products	42.9	43.1	42.2	42.6	43.3	43.1	43.8	42.8	43.1	42.3	42.7	42.8	42.7
TRANSPORTATION AND PUBLIC UTILITIES .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.9	41.0	40.4	40.5	40.4	40.6	40.5	41.1	41.8	41.5	41.1	41.5	40.9
WHOLESALE TRADE	39.1	38.9	38.8	38.6	38.8	38.8	38.9	39.2	38.8	39.3	39.2	39.6	39.7
RETAIL TRADE	27.4	27.4	27.1	27.2	27.5	27.4	28.3	28.7	28.6	28.3	28.0	27.9	28.6
SERVICES .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	31.6	31.3	31.0	31.2	31.5	31.3	31.6	32.2	32.0	31.9	31.6	31.6	31.8

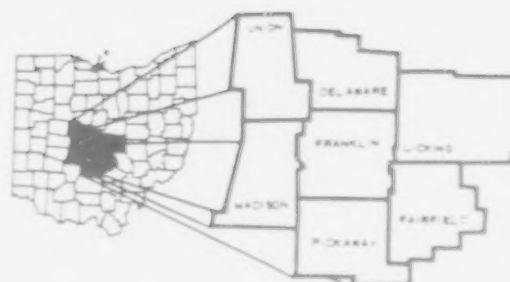
^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$512.67	\$503.53	\$500.21	\$510.26	\$512.55	\$513.42	\$518.28	\$499.16	\$503.43	\$514.51	\$517.76	\$528.12	\$538.25
Durable Goods ^b	552.34	540.85	536.55	547.35	549.32	554.03	560.35	532.88	541.88	555.89	557.95	569.97	577.03
Primary metal industries	594.27	602.36	579.22	594.96	594.27	600.05	607.85	566.25	586.74	587.06	604.63	603.01	608.62
Iron and steel foundries	876.43	898.39	797.79	860.64	861.91	877.75	897.39	732.59	887.54	886.35	917.16	933.34	982.03
Fabricated metal products	552.86	554.03	549.85	533.92	543.84	555.97	569.70	528.04	536.92	548.88	551.98	571.87	587.61
Fabricated structural metal products ..	397.88	381.74	371.84	382.48	388.63	381.62	400.08	393.16	391.82	414.39	417.21	421.60	427.65
Screw machine products, bolts, etc. ..	543.06	522.47	519.02	530.31	535.68	532.09	562.12	517.63	533.57	556.06	550.34	566.41	589.36
Metal forgings and stampings	707.15	706.80	705.06	657.90	682.76	718.49	744.96	672.44	691.38	698.63	698.07	738.51	768.42
Machinery, except electrical	512.12	481.80	489.18	507.17	512.60	509.76	508.46	496.17	489.10	514.72	533.82	545.22	552.80
Construction and related machinery ...	406.64	440.82	410.39	409.95	404.95	395.92	404.90	402.16	397.11	404.61	393.27	394.40	417.19
Metalworking machinery	458.28	443.81	430.40	444.70	444.14	442.24	439.93	457.38	453.47	462.04	485.64	487.21	501.12
Special industry machinery	475.53	483.44	490.53	487.55	475.78	464.26	474.50	450.30	463.08	465.20	476.52	478.08	506.20
General industrial machinery	507.82	495.03	504.68	487.30	500.34	486.95	487.49	505.57	488.17	527.57	527.98	527.52	548.42
Electric and electronic equipment	457.38	453.23	471.10	473.28	445.63	445.37	460.40	454.27	449.36	458.64	452.86	453.60	466.57
Electrical industrial apparatus	523.92	489.94	547.13	545.56	509.95	506.43	525.83	534.02	524.21	528.12	522.82	511.43	545.71
Transportation equipment	745.45	711.16	693.42	728.68	761.42	760.85	767.39	718.11	747.65	773.22	745.99	760.50	766.23
Motor vehicles and equipment	828.19	780.47	756.51	807.77	855.54	848.70	851.62	791.27	835.50	869.26	824.76	845.70	859.17
Instruments and related products	410.06	407.97	408.24	425.64	398.40	402.14	413.53	423.16	400.82	408.62	399.59	418.47	420.58
Measuring and controlling devices	440.37	430.73	429.94	451.79	411.06	417.37	431.81	466.47	447.88	443.52	439.52	457.10	460.10
Non-durable Goods^c	420.24	416.97	413.51	419.84	424.98	417.38	416.98	417.18	411.46	417.15	424.09	428.22	439.25
Food and kindred products	404.06	381.71	386.82	395.51	388.93	388.28	388.40	415.49	409.94	402.19	425.21	421.87	449.10
Apparel and other textile products	328.64	337.74	329.78	328.64	325.44	325.12	324.23	330.83	318.01	327.92	324.04	329.16	339.89
Paper and allied products	470.25	476.43	462.31	464.12	475.59	459.38	448.04	465.92	463.80	490.35	469.99	478.26	488.49
Printing and publishing	397.78	389.24	395.01	412.24	410.51	398.15	396.38	378.79	374.53	394.93	405.90	400.00	423.55
Chemicals and allied products	509.98	515.38	511.80	499.23	514.84	503.33	506.78	503.84	499.79	502.47	507.61	530.96	523.98
Rubber and misc. plastics products	384.81	384.88	373.47	378.71	384.50	385.75	393.32	384.34	387.47	378.59	388.14	390.76	386.44
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	588.55	583.02	571.26	570.65	569.64	577.74	576.32	591.02	612.79	608.81	600.06	612.13	594.28
WHOLESALE TRADE	417.20	400.28	403.91	401.05	408.95	408.56	420.51	420.62	418.65	427.19	425.32	429.66	435.91
RETAIL TRADE^d	185.26	180.29	178.05	181.15	183.70	182.21	186.78	191.43	188.47	188.76	186.20	186.09	190.19
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	302.21	301.26	296.92	298.20	303.50	298.97	306.99	308.15	302.51	306.30	300.29	297.21	305.76
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	342.54	341.17	339.14	337.90	341.15	337.41	340.02	344.86	343.04	347.07	344.12	345.07	345.98

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

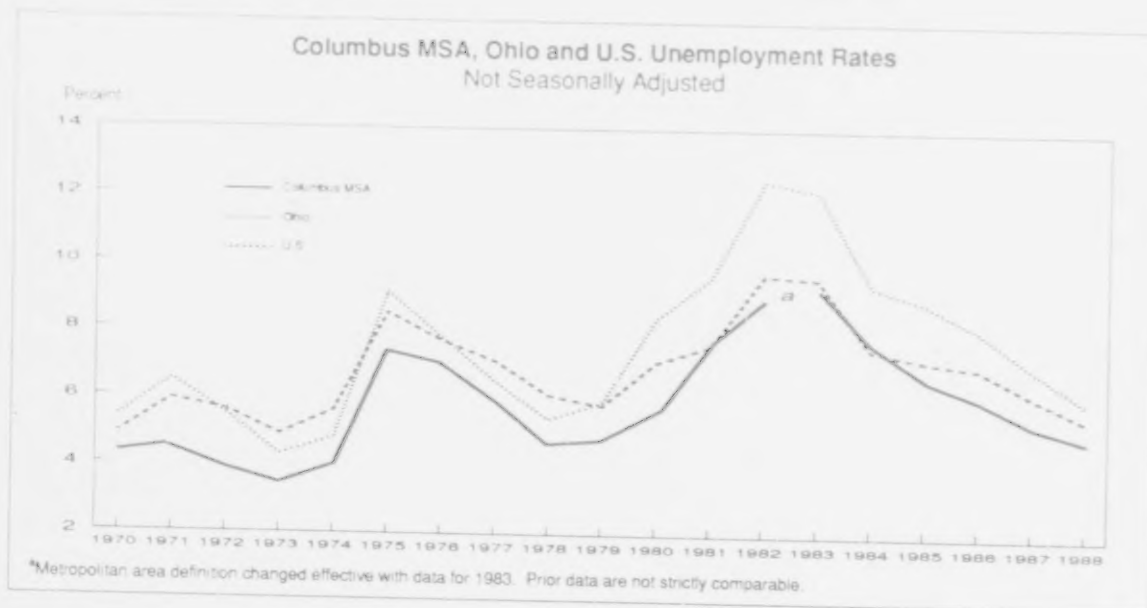
COLUMBUS METROPOLITAN STATISTICAL AREA



The estimated annual average civilian labor force in the Columbus metropolitan area, distributed by place of residence, was 711,500 in 1988, up 16,600 from the 1987 level. Total employment increased 19,300 over the year to 676,500, while unemployment decreased 2,700 to 35,000. The unemployment rate dropped from 5.4 percent in 1987 to 4.9 percent in 1988. (See table, page 75, top.)

Nonagricultural wage and salary employment increased 3.0 percent, from 658,000 in 1987 to 678,100 in 1988. Although all nonmanufacturing industries except mining recorded gains over the year, the leading growth sectors were services (+7,100), retail trade (+5,100), and local government (+3,000). The manufacturing workforce declined 1,300 during the period. Growth in nonelectrical machinery, rubber and miscellaneous plastics products, and printing and publishing was negated by a significant reduction in transportation equipment and less business in stone, clay, and glass products.

Nonfarm payroll employment in the Columbus area advanced 129,600 since the 1979-1983 recessionary period. Expansion in the nonmanufacturing sector contributed 97.0 percent of the gain. Significant employment increases were noted in services (+41,900) and retail trade (+35,600). Although manufacturing employment has declined from 1987, the industry remains 3,900 above the 1983 level. Post-recessionary gains occurred in printing and publishing and nonelectrical machinery. Employment in fabricated metal products and electric and electronic equipment continued their downward trends. (See table, page 75, bottom.)



Columbus MSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage & Salary Employment		
Employment			Unemployment				Manufacturing		
			Unemployment Rate ^b						
			MSA	Ohio	U.S.				Nonmfg
469.1	450.2	18.9	4.0	5.5	5.6	1972	472.8	115.0	357.9
485.5	468.3	17.1	3.5	4.3	4.9	1973	493.9	120.7	373.2
495.4	475.5	19.9	4.0	4.8	5.6	1974	501.8	119.4	382.4
495.0	458.6	36.5	7.4	9.1	8.5	1975	488.2	106.6	381.5
503.6	468.5	35.1	7.0	7.8	7.7	1976	500.0	108.1	392.0
513.4	483.3	30.1	5.9	6.5	7.1	1977	517.6	113.6	403.9
531.4	506.5	24.9	4.7	5.4	6.1	1978	543.2	117.0	426.2
543.0	517.1	25.8	4.8	5.9	5.8	1979	558.5	117.8	440.6
554.7	523.4	31.4	5.7	8.4	7.1	1980	560.2	112.6	447.7
562.4	519.1	43.3	7.7	9.6	7.6	1981	556.9	109.1	447.8
567.4	516.4	51.0	9.0	12.5	9.7	1982	544.0	101.0	443.0
647.7 ^c	587.4 ^c	60.3 ^c	9.3 ^c	12.2	9.6	1983	548.5	98.7	449.7
633.5	584.3	49.2	7.8	9.4	7.5	1984	576.4	104.7	471.6
649.4	605.6	43.8	6.7	8.9	7.2	1985	603.6	106.1	497.5
676.2	634.9	41.3	6.1	8.1	7.0	1986	630.7	105.8	525.0
694.9	657.2	37.7	5.4	7.0	6.2	1987	658.0	103.9	554.1
711.5	676.5	35.0	4.9	6.0	5.5	1988	678.1	102.6	575.5

^aCivilian labor force estimates are based on place of residence.

^bNonagricultural wage and salary employment estimates are based on place of work.

^cUnemployment as percent of civilian labor force.

^dData not comparable to previous years due to change in metropolitan area definition.

Nonagricultural Wage and Salary Employment in Selected Industries
In the Columbus Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

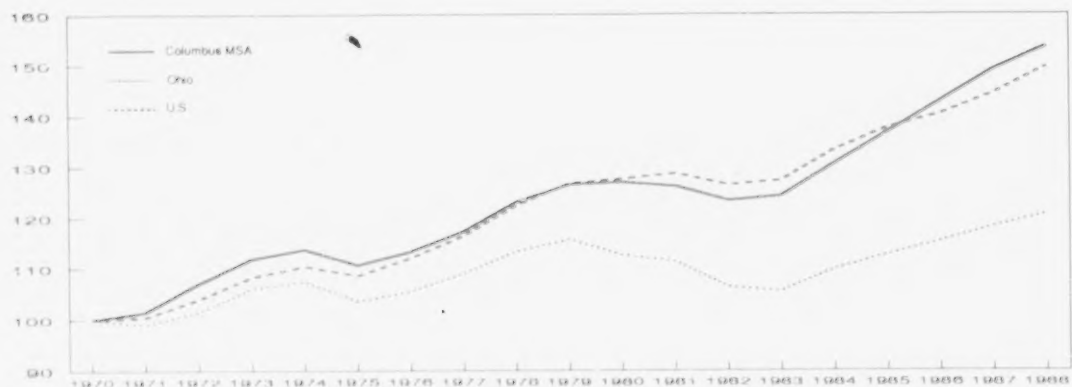
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983	1983 - 1988	MSA	Ohio
TOTAL	558.5	548.5	678.1	-10.0	129.6	1299.9	150.5
Manufacturing	117.8	98.7	102.6	-19.1	3.9	20.4	11.7
Durable Goods	79.1	63.5	65.0	-15.6	1.5	9.6	7.8
Fabricated Metal Products	13.0	9.9	9.1	-3.1	-.8	-	7.2
Machinery, Except Electrical	13.2	9.5	9.8	-3.7	.4	9.6	6.3
Electric and Electronic Equipment	15.5	11.1	10.6	-4.4	-.5	-	-
Nondurable Goods	38.7	35.2	37.6	-3.5	2.4	68.7	29.0
Food and Kindred Products	11.0	10.3	10.3	-.7	.0	-	-
Printing and Publishing	8.9	8.9	10.5	.0	1.6	+	181.3
Construction	23.0	16.8	28.5	-6.2	11.6	189.0	101.3
Transportation and Public Utilities	27.3	24.7	29.7	-2.6	5.0	195.4	38.7
Communication, Electric, Gas Services	11.7	11.7	12.0	.0	.3	+	+
Wholesale Trade	28.8	29.0	34.7	.2	5.7	+	308.7
Retail Trade	101.4	102.9	138.5	1.5	35.6	+	527.1
Finance, Insurance, and Real Estate	38.3	45.0	58.2	6.8	13.2	+	+
Insurance Carriers	16.9	18.8	23.3	1.9	4.5	+	+
Services	108.7	119.6	161.5	10.9	41.9	+	+
Government	111.9	110.5	123.4	-1.4	12.9	904.0	227.4
Federal Government	14.6	14.3	15.3	-.3	1.0	312.0	295.0
State Government	48.8	48.8	54.0	.0	5.2	+	+
Local Government	48.5	47.4	54.1	-1.1	6.6	585.8	107.2

+ No Downturn, 1979 - 1983

- No Upturn, 1983 - 1988

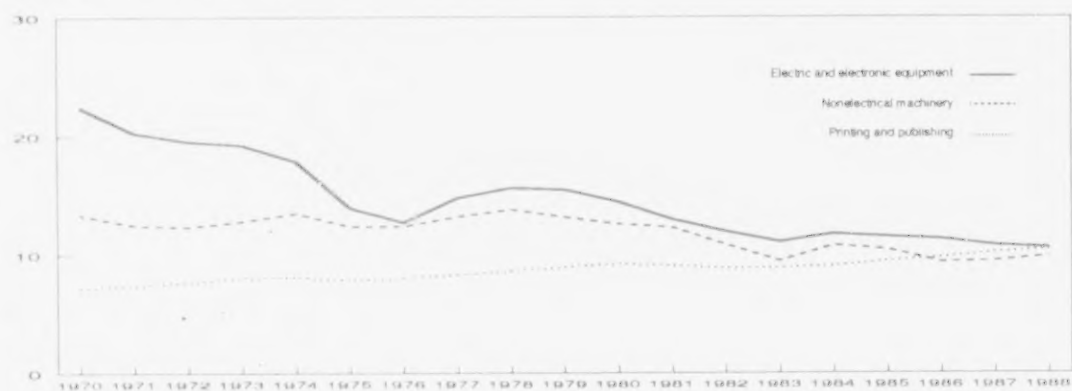
Indexes of Total Nonagricultural Wage and Salary Employment

Index (1970=100)



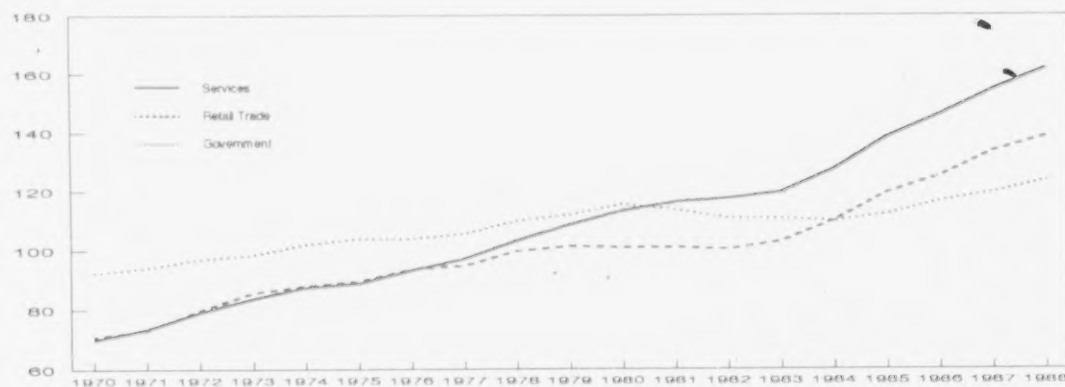
Columbus MSA Nonagricultural Employment (Selected Manufacturing Industries)

Thousands



Columbus MSA Nonagricultural Employment (Selected Nonmanufacturing Industries)

Thousands



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1988^a
(in thousands)

1.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	678.1	658.5	659.2	664.1	670.6	677.6	681.6	675.0	676.7	683.6	691.7	700.0	698.6
MANUFACTURING	102.6	102.2	101.5	101.0	101.6	101.8	102.7	102.4	102.8	103.9	103.9	104.1	104.0
Durable Goods ^b	65.0	65.1	64.5	63.7	64.1	64.2	64.8	64.6	65.1	66.1	66.0	66.2	66.0
Stone, clay, and glass products	10.1	9.9	10.0	10.0	10.0	9.9	10.2	10.0	10.1	10.1	10.2	10.3	10.0
Glass and glassware, pressed or blown	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.1	3.2	3.1	3.3	3.4	3.2
Fabricated metal products	9.1	8.9	8.7	8.7	8.9	8.9	9.1	9.0	9.0	9.3	9.3	9.4	9.5
Fabricated structural metal products	2.5	2.4	2.5	2.4	2.4	2.3	2.4	2.4	2.5	2.5	2.6	2.5	2.5
Machinery, except electrical	9.8	10.0	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.9	9.8	9.8	9.7
Electric and electronic equipment	10.6	10.6	10.5	10.4	10.5	10.7	10.7	10.7	10.6	10.7	10.6	10.6	10.5
Transportation equipment	12.8	13.5	12.9	12.3	12.4	12.5	12.5	12.5	12.9	13.2	13.0	13.0	13.2
Instruments and related products	4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2
Nondurable Goods ^c	37.6	37.0	37.0	37.2	37.4	37.6	37.9	37.9	37.7	37.8	37.9	37.9	37.9
Food and kindred products	10.3	10.3	10.1	10.2	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.3	10.3
Printing and publishing	10.5	10.3	10.3	10.4	10.3	10.3	10.5	10.5	10.4	10.5	10.6	10.7	10.7
Chemicals and allied products	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.9	6.9	6.8	6.7	6.6	6.6
Rubber and misc. plastics products	5.5	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.5	5.5	5.6	5.7	5.7
NONMANUFACTURING ^d	575.5	556.3	557.7	563.2	569.1	575.8	579.0	572.6	573.9	579.7	587.8	595.9	594.6
CONSTRUCTION	28.5	24.5	24.4	25.4	26.7	28.2	29.3	30.5	31.2	31.2	31.1	30.3	29.2
TRANSPORTATION AND PUBLIC UTILITIES	29.7	28.7	28.9	28.9	29.2	29.4	29.6	29.8	30.0	30.3	30.4	30.4	30.8
Trucking and warehousing	12.3	11.8	11.9	11.9	12.0	12.1	12.2	12.3	12.5	12.6	12.7	12.8	13.2
Communication, electric, gas services ..	12.0	11.9	11.9	11.9	12.0	12.0	12.0	12.1	12.1	12.1	12.0	12.0	12.0
WHOLESALE TRADE	34.7	33.9	33.9	34.1	34.3	34.4	34.6	34.8	34.8	35.1	35.4	35.6	35.8
Wholesale trade-durable goods	22.4	21.9	21.9	22.0	22.1	22.3	22.3	22.4	22.5	22.7	22.7	22.8	22.9

See footnotes at end of table.

RS-790-1-5 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1988^a (continued)
(in thousands)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	138.5	134.5	133.0	134.3	135.7	137.6	138.0	138.1	139.4	140.3	141.3	143.6	146.4
General merchandise stores	20.6	20.8	20.0	20.1	20.2	20.4	20.3	20.1	20.3	20.5	20.7	21.3	22.3
FINANCE, INSURANCE, AND REAL ESTATE	58.2	56.8	56.9	57.5	57.5	57.9	58.3	59.1	59.2	58.9	58.7	58.8	58.8
Banking	11.4	11.0	11.0	11.4	11.4	11.4	11.4	11.6	11.6	11.6	11.6	11.6	11.7
Insurance carriers	23.3	23.0	23.0	23.1	23.1	23.1	23.2	23.3	23.4	23.4	23.4	23.5	23.5
SERVICES	161.5	154.3	156.2	157.9	160.3	162.2	162.6	163.1	162.9	164.5	164.8	165.0	164.4
Business services	37.5	35.4	35.5	35.9	36.5	37.0	37.3	38.0	38.3	38.3	39.0	39.1	39.4
Health services	41.4	40.6	40.6	40.8	40.8	40.9	41.3	41.7	41.7	41.8	41.9	42.1	42.2
Hospitals	19.0	18.8	18.8	18.9	18.8	18.8	18.9	19.2	19.1	19.2	19.2	19.4	19.3
GOVERNMENT	123.4	122.7	123.5	124.2	124.5	125.1	125.6	116.2	115.5	118.5	125.2	131.3	128.2
Federal government	15.3	15.4	15.4	15.4	15.4	15.4	15.3	15.2	15.2	14.9	15.1	15.2	15.4
State government	54.0	54.3	54.6	55.0	55.1	55.3	56.1	50.6	50.3	49.6	54.9	55.7	57.1
State government education ¹	22.7	23.4	23.9	24.1	24.1	24.1	24.5	18.6	18.6	18.2	23.7	24.3	25.4
State government, except education ...	31.3	31.0	30.7	30.9	31.1	31.2	31.6	32.0	31.7	31.4	31.3	31.3	31.7
Local government	54.1	53.0	53.6	53.8	54.0	54.4	54.1	50.3	50.0	54.1	55.2	60.4	55.8
Local government education	32.1	32.1	32.7	33.0	32.9	33.0	32.2	28.0	27.9	32.5	33.5	33.6	33.8
Local government, except education ...	22.0	20.9	20.9	20.8	21.1	21.4	21.9	22.3	22.1	21.6	21.7	26.8	22.0

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes. ^fIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-5 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1987^a
(in thousands)

1.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	658.0	641.5	641.9	647.1	650.8	657.4	660.5	653.9	656.6	662.7	672.0	674.9	677.2
MANUFACTURING	103.9	104.0	103.2	103.4	103.4	103.5	103.4	103.8	104.2	104.5	104.8	104.6	104.1
Durable Goods ^b	66.9	67.6	66.9	66.9	67.0	66.8	66.5	66.6	66.8	67.0	67.4	67.1	66.5
Stone, clay, and glass products	10.7	10.6	10.5	10.6	10.8	10.8	10.8	10.5	10.9	10.8	10.8	10.8	10.6
Glass and glassware, pressed or blown	4.0	4.2	4.2	4.3	4.2	4.2	4.2	3.7	4.1	3.9	3.9	3.9	3.7
Fabricated metal products	9.2	9.4	9.4	9.5	9.4	9.2	9.1	9.1	8.9	9.1	9.0	9.1	9.1
Fabricated structural metal products	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.8	2.7	2.7	2.6	2.5	2.5
Machinery, except electrical	9.5	9.1	9.1	9.1	9.2	9.3	9.3	9.4	9.5	9.6	9.8	9.9	9.9
Electric and electronic equipment	10.8	11.0	11.0	11.0	10.7	10.8	10.8	10.7	10.7	10.7	10.7	10.6	10.7
Transportation equipment	14.8	16.0	15.4	15.1	15.3	14.9	14.5	14.8	14.6	14.5	14.5	13.9	13.4
Instruments and related products	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2
Nondurable Goods ^c	37.0	36.4	36.3	36.5	36.4	36.7	36.9	37.2	37.4	37.5	37.5	37.6	37.6
Food and kindred products	10.2	9.8	9.9	10.0	9.9	10.1	10.3	10.5	10.5	10.5	10.4	10.3	10.4
Printing and publishing	10.2	10.0	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.4	10.5	10.5
Chemicals and allied products	6.8	6.8	6.7	6.7	6.7	6.8	6.8	6.9	6.8	6.8	6.8	6.8	6.8
Rubber and misc. plastics products	5.2	5.2	5.2	5.2	5.0	5.1	5.1	5.2	5.3	5.3	5.2	5.2	5.2
NONMANUFACTURING^d	554.1	537.5	538.6	543.7	547.4	553.9	557.2	550.1	552.4	558.2	567.2	570.3	573.0
CONSTRUCTION	27.0	23.1	23.0	23.9	25.2	27.0	28.1	29.4	29.5	29.6	29.0	28.5	27.6
TRANSPORTATION AND PUBLIC UTILITIES	28.2	27.3	27.2	27.4	27.3	27.7	27.8	28.4	28.6	28.8	29.2	29.3	29.4
Trucking and warehousing	11.8	11.3	11.3	11.4	11.1	11.4	11.5	11.8	11.9	12.0	12.3	12.5	12.7
Communication, electric, gas services	11.8	11.6	11.6	11.6	11.6	11.7	11.6	12.0	12.0	12.0	12.0	12.0	11.9
WHOLESALE TRADE	33.8	32.8	33.0	33.2	33.1	33.6	33.7	33.7	33.7	33.9	34.6	34.8	35.0
Wholesale trade-durable goods	21.7	21.2	21.4	21.4	21.4	21.8	21.8	21.8	21.7	21.8	22.0	22.0	22.1

See footnotes at end of table.

RS-790-1-5 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1987^a (continued)
(in thousands)

2.

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	133.4	129.1	128.2	129.4	130.4	132.6	132.5	132.4	134.1	135.0	136.4	139.2	141.9
General merchandise stores	21.2	20.8	20.2	20.3	20.9	21.1	20.9	20.7	20.9	21.2	21.4	22.2	23.2
FINANCE, INSURANCE, AND REAL ESTATE	57.0	55.7	56.1	56.2	56.2	56.5	57.1	57.9	57.8	57.5	57.6	57.5	57.6
Banking	11.4	11.4	11.3	11.4	11.3	11.2	11.3	11.5	11.4	11.4	11.4	11.4	11.3
Insurance carriers	22.8	22.3	22.5	22.6	22.4	22.5	22.7	22.8	22.9	22.9	23.0	23.1	23.1
SERVICES	154.4	148.8	150.1	151.9	152.9	154.1	154.5	155.9	155.3	156.9	158.3	157.4	156.7
Business services	35.1	33.9	34.1	34.3	33.9	34.0	34.3	35.5	35.6	35.6	36.9	36.8	36.7
Health services	39.2	38.4	38.6	39.0	38.9	38.8	39.1	39.5	39.6	39.6	39.7	39.6	39.6
Hospitals	17.6	17.0	17.1	17.2	17.3	17.3	17.5	17.8	17.9	17.9	17.9	18.0	18.0
GOVERNMENT	119.4	119.8	120.2	120.9	121.3	121.5	122.4	121.4	122.4	122.6	122.1	122.5	124.0
Federal government	15.7	15.7	15.6	15.6	15.7	15.7	15.8	15.7	15.8	15.7	15.7	15.8	15.8
State government	52.7	53.6	53.4	53.8	53.9	53.9	54.4	48.7	48.9	48.3	53.6	54.2	55.4
State government education	22.2	23.3	23.4	23.5	23.5	23.5	23.8	18.1	17.9	17.7	23.2	23.8	24.9
State government, except education ...	30.5	30.3	30.0	30.3	30.5	30.4	30.6	30.7	31.1	30.6	30.3	30.4	30.5
Local government	51.0	50.6	51.2	51.5	51.6	51.9	52.2	46.9	47.7	51.6	51.9	52.5	52.8
Local government education	30.4	30.9	30.9	31.2	31.2	31.4	31.0	25.8	26.8	30.7	31.4	32.0	32.0
Local government, except education ...	20.6	19.7	20.3	20.3	20.4	20.5	21.1	21.1	20.9	20.9	20.5	20.6	20.8

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes. ^fIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

- Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-5 (1987)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$11.57	\$11.32	\$11.45	\$11.49	\$11.57	\$11.60	\$11.57	\$11.54	\$11.56	\$11.63	\$11.66	\$11.68	\$11.76
Durable Goods ^b	11.75	11.47	11.65	11.68	11.78	11.82	11.78	11.75	11.73	11.81	11.84	11.83	11.90
Stone, clay, and glass products	11.72	11.63	11.55	11.76	11.68	11.66	11.83	11.88	11.86	11.75	11.63	11.61	11.78
Glass and glassware, pressed or blown	10.93	11.16	10.95	11.02	10.93	10.76	10.87	11.07	10.82	11.04	10.98	10.80	10.79
Fabricated metal products	12.48	12.23	12.30	12.27	12.66	12.69	12.67	12.49	12.36	12.40	12.48	12.59	12.62
Fabricated structural metal products	11.00	10.79	11.15	10.88	10.97	10.93	10.89	11.06	11.08	10.81	11.22	11.18	11.00
Machinery, except electrical	10.82	10.62	10.63	10.62	10.69	10.73	10.71	10.97	10.70	11.03	10.83	10.95	11.32
Electric and electronic equipment	11.21	11.02	11.07	11.17	11.29	11.36	11.26	11.17	11.21	11.18	11.18	11.24	11.36
Transportation equipment	13.79	13.19	13.82	13.84	13.93	13.91	13.71	13.63	13.86	13.86	14.05	13.79	13.87
Instruments and related products	10.46	10.26	10.37	10.37	10.39	10.40	10.35	10.43	10.42	10.53	10.57	10.74	10.68
Non-durable Goods ^c	11.20	11.02	11.04	11.11	11.16	11.16	11.14	11.12	11.21	11.27	11.29	11.37	11.48
Food and kindred products	10.78	10.83	10.86	10.92	10.86	10.83	10.78	10.74	10.94	10.64	10.61	10.73	10.65
Printing and publishing	13.80	13.35	13.39	13.45	13.62	13.73	13.75	13.79	13.84	13.99	14.05	14.21	14.28
Chemicals and allied products	13.21	12.97	12.97	13.22	13.19	13.11	12.99	12.83	12.96	13.29	13.56	13.69	13.70
Rubber and misc. plastics products	8.57	8.37	8.36	8.36	8.40	8.55	8.63	8.62	8.65	8.64	8.82	8.67	8.76
TRANSPORTATION AND PUBLIC UTILITIES													
Communication, electric, gas services ..	14.18	13.98	13.97	14.21	14.26	14.24	14.19	14.24	14.36	14.29	14.18	14.21	14.01
WHOLESALE TRADE	9.33	9.12	9.22	9.15	9.20	9.21	9.26	9.34	9.29	9.45	9.57	9.50	9.59
RETAIL TRADE ^d	6.36	6.28	6.24	6.33	6.29	6.35	6.31	6.36	6.29	6.36	6.41	6.50	6.56
SERVICES													
Health services													
Hospitals	10.05	9.79	9.77	9.82	9.84	9.93	9.87	10.13	10.02	10.27	10.24	10.40	10.45

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-4-5 (1988)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.5	41.4	41.7	41.3	41.7	41.4	41.5	41.2	40.8	41.4	41.7	41.9	41.9
Durable Goods ^b	41.5	41.4	42.1	41.3	41.8	41.3	41.6	41.1	40.7	41.6	41.7	41.6	41.7
Stone, clay, and glass products	40.6	39.9	40.4	40.8	40.7	40.4	41.0	40.4	40.1	41.1	40.6	41.6	39.9
Glass and glassware, pressed or blown	39.8	39.7	39.2	39.7	39.9	39.1	39.1	39.6	39.3	42.1	40.5	41.2	38.7
Fabricated metal products	41.2	40.8	40.8	39.8	41.2	41.3	41.8	40.8	41.1	41.2	41.3	42.2	42.0
Fabricated structural metal products	41.8	41.0	42.8	40.5	41.9	41.5	41.6	41.0	43.5	42.1	42.8	41.2	41.3
Machinery, except electrical	42.1	43.4	42.8	41.6	42.4	40.9	40.2	42.9	41.8	42.4	41.0	41.8	44.3
Electric and electronic equipment	40.7	41.6	41.0	40.7	41.1	40.8	40.9	40.9	40.0	40.4	40.4	40.1	39.9
Transportation equipment	43.0	43.1	45.6	43.6	43.9	44.0	42.6	41.3	40.9	42.3	44.4	41.8	42.3
Instruments and related products	39.2	38.6	40.4	40.6	40.3	39.2	39.8	38.8	38.9	38.8	38.8	38.2	38.5
Non-durable Goods ^c	41.5	41.4	41.0	41.3	41.4	41.4	41.2	41.2	41.2	41.0	41.8	42.6	42.3
Food and kindred products	41.5	40.4	39.9	41.3	41.5	41.3	41.5	41.7	41.7	41.7	41.6	42.7	42.7
Printing and publishing	39.7	40.2	38.9	39.2	39.3	39.6	39.4	39.7	39.6	40.0	39.6	40.5	40.6
Chemicals and allied products	42.2	42.9	42.0	42.4	42.3	41.8	41.2	40.9	41.2	41.2	42.1	43.8	44.7
Rubber and misc. plastics products	42.4	41.8	43.5	42.2	42.7	43.1	42.4	41.8	41.7	41.2	44.5	43.0	41.5
TRANSPORTATION AND PUBLIC UTILITIES	----	----	----	----	----	----	----	----	----	----	----	----	----
Communication, electric, gas services ..	41.2	40.7	40.4	41.0	42.1	41.6	41.3	41.7	41.9	41.6	40.9	41.2	40.6
WHOLESALE TRADE	37.5	37.7	37.4	37.2	37.5	37.3	37.0	37.4	37.1	37.8	37.8	37.7	37.7
RETAIL TRADE	28.8	28.3	28.2	28.5	28.4	28.1	28.7	29.0	29.4	29.2	28.7	28.8	29.7
SERVICES	----	----	----	----	----	----	----	----	----	----	----	----	----
Health services	----	----	----	----	----	----	----	----	----	----	----	----	----
Hospitals	34.2	34.4	34.3	34.0	34.0	34.1	34.2	34.4	34.5	34.6	34.1	33.7	33.7

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1988^a

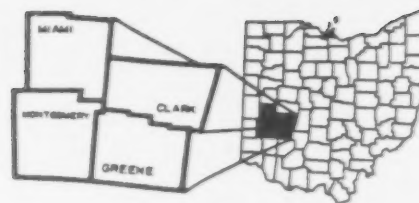
Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$480.16	\$468.65	\$477.47	\$474.54	\$482.47	\$480.24	\$480.16	\$475.45	\$471.65	\$481.48	\$486.22	\$489.39	\$492.74
Durable Goods ^b	487.63	474.86	490.47	482.38	492.40	488.17	490.05	482.93	477.41	491.30	493.73	492.13	496.23
Stone, clay, and glass products	475.83	464.04	466.62	479.81	475.38	471.06	485.03	479.95	475.59	482.93	472.18	482.98	470.02
Glass and glassware, pressed or blown	435.01	443.05	429.24	437.49	436.11	420.72	425.02	438.37	425.23	464.78	444.69	444.96	417.57
Fabricated metal products	514.18	498.98	501.84	488.35	521.59	524.10	529.61	509.59	508.00	510.88	515.42	531.30	530.04
Fabricated structural metal products	459.80	442.39	477.22	440.64	459.64	453.60	453.02	453.46	481.98	455.10	480.22	460.62	454.30
Machinery, except electrical	455.52	460.91	454.96	441.79	453.26	438.86	430.54	470.61	447.26	467.67	444.03	457.71	501.48
Electric and electronic equipment	456.25	458.43	453.87	454.62	464.02	463.49	460.53	456.85	448.40	451.67	451.67	450.72	453.26
Transportation equipment	592.97	568.49	630.19	603.42	611.53	612.04	584.05	562.92	565.24	586.28	623.82	576.42	586.70
Instruments and related products	410.03	396.04	418.95	421.02	418.72	407.68	411.93	404.68	405.34	408.56	410.12	410.27	411.18
Non-durable Goods ^c	464.80	456.23	452.64	458.84	462.02	462.02	458.97	458.14	461.85	462.07	471.92	484.36	485.60
Food and kindred products	447.37	437.53	433.31	451.00	450.69	447.28	447.31	447.86	456.20	443.69	441.38	458.17	454.76
Printing and publishing	547.86	536.67	520.87	527.24	535.27	543.71	541.75	547.46	548.06	559.60	556.38	575.51	579.77
Chemicals and allied products	557.46	556.41	544.74	560.53	557.94	548.00	535.19	524.75	533.95	547.55	570.88	599.62	612.39
Rubber and misc. plastics products	363.37	349.87	363.66	352.79	358.68	368.51	365.91	360.32	360.71	355.97	392.49	372.81	363.54
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	584.22	568.99	564.39	582.61	600.35	592.38	586.05	593.81	601.68	594.46	579.96	585.45	568.81
WHOLESALE TRADE	349.88	343.82	344.83	340.38	345.00	343.53	342.62	349.32	344.66	357.21	361.75	358.15	361.54
RETAIL TRADE^d	183.17	177.72	175.97	180.41	178.64	178.44	181.10	184.44	184.93	185.71	183.97	187.20	194.83
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	265.91	259.14	261.66	264.27	263.15	267.04	267.99	263.25	267.29	267.75	268.06	271.13	270.27
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	343.71	336.78	335.11	333.88	334.56	338.61	337.55	348.47	345.69	355.34	349.18	350.48	352.17

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included.

^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

Labor Market Information Division
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DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

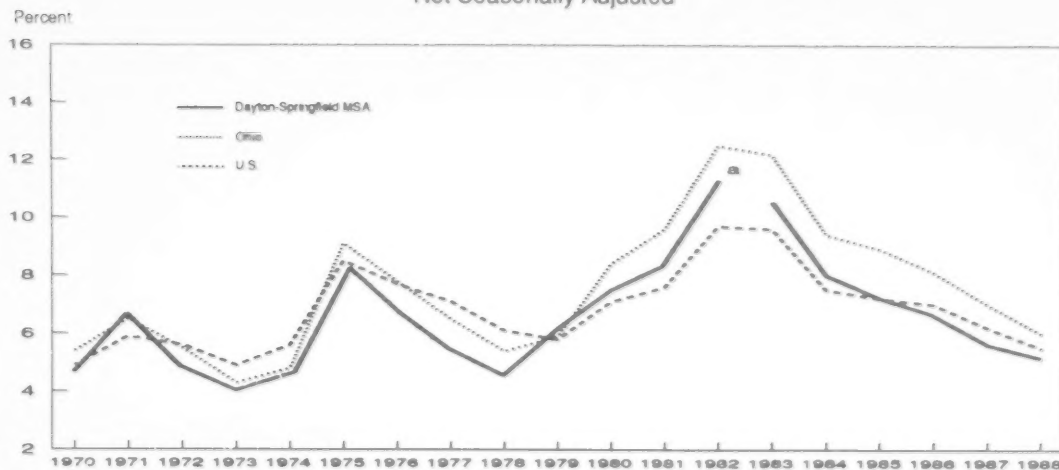


The estimated annual average civilian labor force in the Dayton-Springfield metropolitan area, distributed by place of residence, increased 5,200 from 1987 to 469,000 in 1988. Total employment rose 6,900 over the year, while unemployment declined 1,800 to 24,400. The unemployment rate dropped from 5.6 percent in 1987 to 5.2 percent in 1988. (See table, page 85, top.)

Nonfarm wage and salary employment recorded a 1.6 percent increase from the 1987 level to 436,700 in 1988. Nonmanufacturing employment advanced 6,700 over the year. Noteworthy expansion occurred in services, retail trade, construction, and transportation and public utilities. Modest growth in nonelectrical machinery and printing and publishing raised manufacturing employment 200 between 1987 and 1988. Employment in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products declined.

Nonagricultural payroll employment in the Dayton-Springfield area continued its post-recession expansion, increasing 64,500 since 1983. Leading growth industries in nonmanufacturing were services, retail trade, and construction. Manufacturing recovered 33.4 percent of jobs lost during the recessionary period, but remained 18,000 below the 1979 level. Transportation equipment and electric and electronic equipment provided economic growth during the 1983-1988 period, although the over-the-year employment level declined. Recovery continued in printing and publishing. (See table, page 85, bottom.)

Dayton-Springfield MSA, Ohio and U.S. Unemployment Rates
Not Seasonally Adjusted



*Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

Dayton-Springfield MSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage & Salary Employment		
Employment			Unemployment				Manufacturing		
			Unemployment Rate ^b						
			MSA	Ohio	U.S.				Nonmfg.
353.5	336.2	17.3	4.9	5.5	5.6	1972	366.8	129.8	237.0
358.0	343.5	14.5	4.1	4.3	4.9	1973	378.3	133.7	244.6
359.5	342.5	17.0	4.7	4.8	5.6	1974	376.6	128.1	248.5
357.6	327.7	29.9	8.4	9.1	8.5	1975	360.1	112.5	247.5
360.5	336.3	24.2	6.7	7.8	7.7	1976	370.7	116.3	254.4
368.6	348.3	20.3	5.5	6.5	7.1	1977	383.8	121.8	262.0
381.1	363.7	17.3	4.6	5.4	6.1	1978	401.1	125.0	276.2
392.2	367.9	24.2	6.2	5.9	5.8	1979	408.8	122.5	286.3
390.2	361.0	29.2	7.5	8.4	7.1	1980	397.1	110.9	286.2
390.8	357.9	32.8	8.4	9.6	7.6	1981	393.2	109.9	283.3
391.8	347.1	44.7	11.4	12.5	9.7	1982	374.3	97.3	277.0
438.5 ^c	391.9 ^c	46.6 ^c	10.6 ^c	12.2	9.6	1983	372.3	95.5	276.8
440.1	404.8	35.2	8.0	9.4	7.5	1984	392.7	103.7	289.0
450.4	418.1	32.4	7.2	8.9	7.2	1985	408.9	106.3	302.5
460.5	430.1	30.3	6.6	8.1	7.0	1986	419.4	105.7	313.7
463.8	437.7	26.2	5.6	7.0	6.2	1987	429.8	104.3	325.5
469.0	444.6	24.4	5.2	6.0	5.5	1988	436.7	104.5	332.2

^aCivilian labor force estimates are based on place of residence.

Nonagricultural wage and salary employment estimates are based on place of work.

^bUnemployment as percent of civilian labor force.

^cData not comparable to previous years due to change in metropolitan area definition.

Nonagricultural Wage and Salary Employment in Selected Industries
In the Dayton-Springfield Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

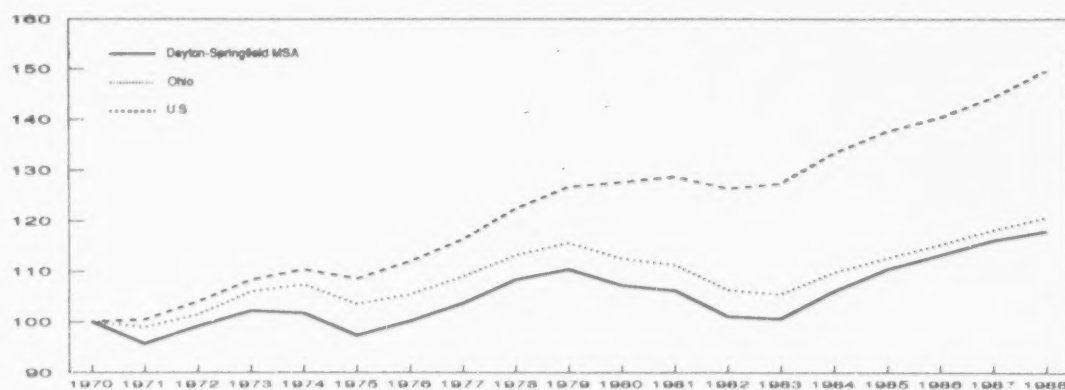
Industry	Employment (In thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983	1983 - 1988	MSA	Ohio
TOTAL	408.8	372.3	436.7	-36.5	64.5	176.7	150.5
Manufacturing	122.5	95.5	104.5	-27.0	9.0	33.4	11.7
Durable Goods	86.2	68.7	75.1	-17.5	6.3	36.2	7.8
Machinery, Except Electrical	35.9	30.0	30.6	-5.9	.6	9.7	6.3
Electric and Electronic Equipment	10.5	5.0	5.8	-5.5	.8	14.8	-
Electrical Industrial Apparatus	4.7	2.9	3.3	-1.8	.4	21.4	-
Transportation Equipment	20.1	17.7	20.8	-2.4	3.1	127.1	28.8
Nondurable Goods	36.3	26.8	29.5	-9.5	2.7	28.1	29.0
Printing and Publishing	10.2	7.7	8.9	-2.6	1.3	48.9	181.3
Rubber and Misc. Plastics Products	12.2	7.7	7.9	-4.5	.2	3.8	33.8
Construction	15.8	10.6	17.8	-5.2	7.2	137.7	101.3
Transportation and Public Utilities	16.3	13.9	16.8	-2.4	2.9	121.6	38.7
Wholesale Trade	16.6	17.5	19.7	.9	2.2	+	308.7
Retail Trade	68.4	63.1	79.8	-5.3	16.7	316.2	527.1
Finance, Insurance, and Real Estate	15.6	15.8	18.1	.2	2.2	+	+
Services	79.5	84.7	106.8	5.2	22.1	+	+
Government	73.6	70.8	72.9	-2.8	2.1	75.7	227.4

+ No Downturn, 1979 - 1983.

- No Upturn, 1983 - 1988.

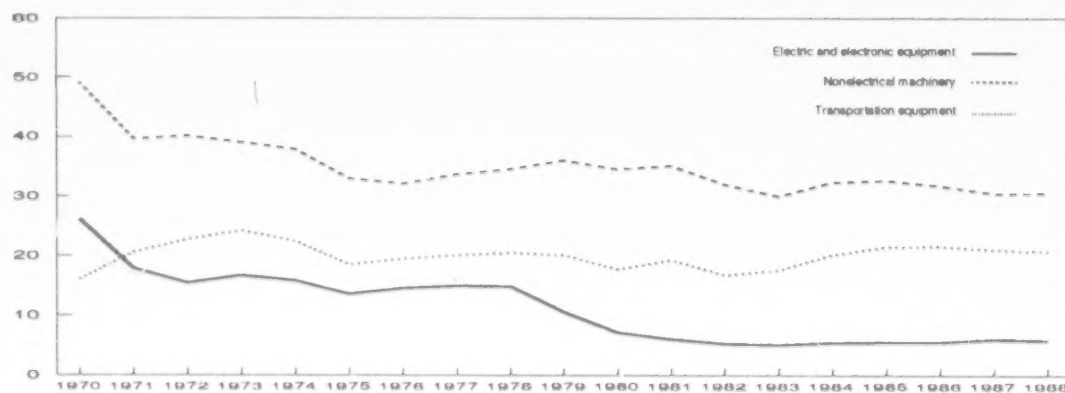
Indexes of Total Nonagricultural Wage and Salary Employment

Index (1970=100)



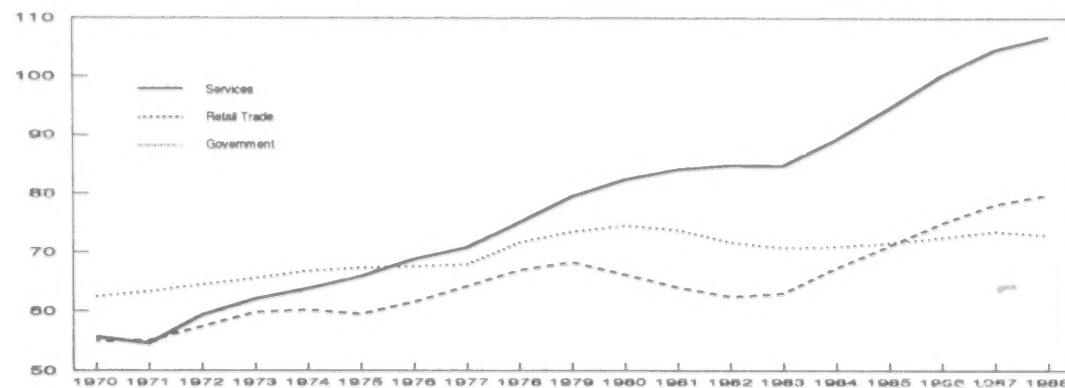
Dayton-Springfield MSA Nonagricultural Employment (Selected Manufacturing Industries)

Thousands



Dayton-Springfield MSA Nonagricultural Employment (Selected Nonmanufacturing Industries)

Thousands



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1988^a
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	436.7	426.5	426.0	429.8	433.4	436.3	437.8	432.3	432.6	442.8	445.0	450.3	448.2
MANUFACTURING	104.5	103.4	103.0	103.9	104.4	104.6	104.9	104.8	104.3	105.4	104.8	105.3	105.5
Durable Goods ^b	75.1	73.9	73.7	74.4	75.0	75.1	75.5	75.4	74.7	75.7	75.4	75.8	76.1
Fabricated metal products	8.4	8.4	8.3	8.3	8.4	8.4	8.5	8.5	8.5	8.5	8.3	8.3	8.4
Machinery, except electrical	30.6	30.1	30.0	30.2	30.5	30.4	30.7	30.7	30.4	30.7	30.8	31.1	31.2
Metalworking machinery	6.6	6.7	6.6	6.7	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7
General industrial machinery	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Electric and electronic equipment	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.7	5.7	5.8	5.8
Electrical industrial apparatus	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.3	3.3
Transportation equipment	20.8	20.6	20.4	20.7	20.9	20.7	20.9	20.8	20.4	21.1	20.8	20.8	21.0
Nondurable Goods ^c	29.5	29.5	29.3	29.5	29.4	29.5	29.4	29.4	29.6	29.8	29.4	29.5	29.3
Food and kindred products	2.9	2.9	2.8	2.9	2.8	2.8	2.8	2.9	3.0	3.1	2.9	3.0	3.1
Paper and allied products	5.9	6.0	5.9	5.9	5.9	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.9
Printing and publishing	8.9	9.0	8.9	9.0	9.0	9.0	9.0	9.0	8.9	9.0	8.9	8.9	8.9
Rubber and misc. plastics products	7.9	8.0	7.9	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	7.9	7.9
NONMANUFACTURING^d	332.2	323.2	323.1	325.9	329.0	331.7	332.9	327.4	328.3	337.4	340.1	345.0	342.8
CONSTRUCTION	17.8	14.8	14.2	15.2	16.5	17.6	18.6	19.3	19.7	19.7	19.9	19.4	18.8
TRANSPORTATION AND PUBLIC UTILITIES	16.8	16.3	16.4	16.4	16.5	16.7	16.9	16.9	17.0	17.1	17.1	17.1	17.3
Communication, electric, gas services ..	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.7	5.6	5.5	5.5
WHOLESALE TRADE	19.7	19.1	19.1	19.3	19.4	19.5	19.7	19.8	19.9	19.9	20.1	20.1	20.2
Wholesale trade-durable goods	13.6	13.2	13.3	13.4	13.4	13.5	13.6	13.7	13.7	13.7	13.8	13.8	13.8
RETAIL TRADE	79.8	77.3	76.4	77.0	78.1	79.6	80.2	80.0	80.5	80.7	81.2	82.5	84.0
General merchandise stores	11.8	12.0	11.4	11.4	11.4	11.6	11.6	11.6	11.6	11.7	11.9	12.5	13.2

See footnotes at end of table.

RS-790-1-6 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1988^a (continued)
(in thousands)

2.

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	18.1	17.7	17.7	17.8	17.9	18.0	18.3	18.3	18.4	18.2	18.2	18.2	18.2
Banking	4.2	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.2
Credit agencies other than banks	4.8	4.9	4.8	4.8	4.9	4.8	4.9	4.8	4.8	4.8	4.7	4.7	4.7
Insurance carriers	3.0	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
SERVICES	106.8	103.6	105.0	105.3	106.1	105.3	106.4	106.0	106.7	109.0	109.5	109.4	109.2
Business services	25.7	24.4	24.7	24.7	25.0	25.4	25.7	26.0	26.2	26.3	26.5	26.6	26.6
Health services	36.8	36.2	36.2	36.3	36.3	36.4	36.6	36.9	37.1	37.3	37.3	37.2	37.3
Hospitals	19.1	18.9	18.9	19.0	18.9	18.9	19.0	19.2	19.2	19.4	19.3	19.2	19.3
Educational services	8.0	8.4	9.0	9.0	8.6	7.0	6.7	5.7	5.7	8.6	9.1	9.3	9.0
GOVERNMENT	72.9	74.1	74.0	74.6	74.0	74.5	72.5	66.6	65.7	72.3	73.8	77.8	74.8
Federal government	27.4	27.6	27.5	27.6	27.3	27.3	27.3	27.3	27.2	27.2	27.2	27.4	27.6
State government	7.0	7.3	7.0	7.3	7.3	7.3	7.3	6.6	6.5	6.4	6.7	7.2	7.3
State government education	4.1	4.4	4.1	4.4	4.4	4.4	4.4	3.6	3.5	3.4	3.8	4.3	4.4
State government, except education ...	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	2.9	2.9	2.9	2.9
Local government	38.5	39.2	39.4	39.7	39.4	39.9	37.8	32.7	32.0	38.7	39.9	43.3	39.9
Local government education	23.4	24.8	25.0	25.2	24.8	25.2	22.7	17.4	16.9	23.7	24.9	25.2	25.0
Local government, except education ...	15.1	14.4	14.4	14.5	14.6	14.8	15.2	15.3	15.1	15.0	15.0	18.1	15.0

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-6 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1987^a
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	429.8	419.2	419.5	421.9	426.5	429.4	430.8	426.1	427.5	435.5	438.7	440.9	441.9
MANUFACTURING	104.3	103.9	103.0	103.3	103.9	104.1	104.3	104.0	104.8	105.3	105.4	105.1	105.1
Durable Goods ^b	75.1	75.1	74.4	74.7	75.0	75.1	75.4	74.8	75.1	75.6	75.5	75.3	75.1
Fabricated metal products	8.4	8.5	8.4	8.4	8.4	8.4	8.4	8.2	8.3	8.4	8.5	8.5	8.5
Machinery, except electrical	30.4	30.9	30.3	30.2	30.2	30.4	30.6	30.5	30.5	30.6	30.5	30.2	30.3
Metalworking machinery	6.6	6.8	6.7	6.6	6.6	6.6	6.5	6.5	6.5	6.6	6.6	6.6	6.6
General industrial machinery	2.6	2.6	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7
Electric and electronic equipment	6.0	5.8	5.8	5.9	6.0	6.0	6.0	5.9	6.1	6.0	6.2	6.2	6.3
Electrical industrial apparatus	3.6	3.4	3.5	3.6	3.6	3.6	3.6	3.5	3.6	3.5	3.6	3.6	3.6
Transportation equipment	21.1	21.1	21.0	21.1	21.1	21.1	21.0	21.0	20.9	21.4	21.1	21.2	20.9
Nondurable Goods ^c	29.2	28.7	28.6	28.6	28.9	29.0	28.9	29.2	29.7	29.7	29.9	29.7	30.0
Food and kindred products	2.9	2.7	2.7	2.8	2.8	2.8	2.9	3.0	3.0	3.1	3.1	2.9	3.0
Paper and allied products	5.9	5.6	5.7	5.6	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.0	6.0
Printing and publishing	8.7	8.5	8.4	8.5	8.6	8.4	8.4	8.7	8.8	8.8	8.9	9.0	9.1
Rubber and misc. plastics products	8.0	8.2	8.2	8.0	8.1	8.1	8.0	7.8	8.0	8.0	8.0	8.0	8.1
NONMANUFACTURING^d	325.5	315.3	316.5	318.6	322.6	325.3	326.5	322.2	322.7	330.2	333.3	335.8	336.8
CONSTRUCTION	16.4	14.0	13.6	14.1	15.1	16.2	17.1	18.0	18.1	17.9	18.2	17.8	17.3
TRANSPORTATION AND PUBLIC UTILITIES	15.8	15.0	15.1	15.2	15.3	15.5	15.7	16.1	16.0	16.2	16.4	16.4	16.6
Communication, electric, gas services ..	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.8	5.7	5.7	5.7	5.7	5.7
WHOLESALE TRADE	18.8	18.2	18.1	18.2	18.5	18.7	18.8	18.9	18.9	19.0	19.3	19.4	19.5
Wholesale trade-durable goods	12.7	12.0	12.0	12.0	12.3	12.5	12.6	12.8	12.9	12.9	13.1	13.3	13.4
RETAIL TRADE	78.1	76.0	75.2	75.7	76.8	78.3	78.6	77.5	78.2	78.3	79.1	80.7	82.5
General merchandise stores	12.0	12.2	11.8	11.6	11.7	11.9	11.8	11.6	11.7	11.8	11.9	12.6	13.3

See footnotes at end of table.

RS-790-1-6 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1987^a (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	17.9	17.3	17.4	17.5	17.6	17.9	18.3	18.3	18.4	18.3	18.1	18.0	18.1
Banking	4.3	4.4	4.3	4.4	4.2	4.2	4.3	4.3	4.3	4.3	4.2	4.2	4.3
Credit agencies other than banks	4.7	4.5	4.5	4.5	4.7	4.7	4.7	4.8	4.8	4.7	4.7	4.7	4.7
Insurance carriers	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0
SERVICES	104.5	100.5	102.0	102.3	103.7	103.0	104.2	103.8	104.4	106.8	107.8	108.1	107.4
Business services	25.6	24.1	24.5	24.3	24.7	25.2	25.6	25.7	25.9	26.3	26.7	27.0	26.8
Health services	35.9	35.1	35.2	35.2	35.5	35.5	35.7	36.3	36.2	36.4	36.5	36.5	36.8
Hospitals	18.7	18.4	18.5	18.5	18.5	18.6	18.6	18.9	18.9	18.9	18.8	18.8	18.9
Educational services	7.5	7.7	8.3	8.4	8.2	6.6	6.2	5.6	5.5	7.8	8.6	8.9	8.2
GOVERNMENT	73.5	74.0	74.8	75.1	75.0	75.3	73.4	69.1	68.3	73.1	73.9	75.1	75.1
Federal government	27.9	27.6	27.6	27.7	27.7	27.7	28.0	28.4	28.3	28.3	27.8	27.8	27.9
State government	7.0	6.9	7.1	7.2	7.4	7.4	7.5	7.2	6.4	6.3	6.4	7.3	7.3
State government education	4.2	4.1	4.4	4.4	4.5	4.5	4.5	4.3	3.4	3.4	3.6	4.4	4.5
State government, except education ...	2.9	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.0	2.9	2.9	2.9	2.9
Local government	38.6	39.5	40.0	40.2	40.0	40.2	37.9	33.5	33.6	38.5	39.6	39.9	39.9
Local government education	23.8	25.1	25.7	25.7	25.4	25.4	22.7	18.2	18.4	23.7	25.0	25.4	25.4
Local government, except education ...	14.7	14.3	14.3	14.5	14.6	14.8	15.3	15.3	15.2	14.8	14.6	14.5	14.5

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-1-6 (1987)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$12.59	\$12.02	\$12.19	\$12.48	\$12.62	\$12.61	\$12.71	\$12.39	\$12.38	\$12.67	\$12.95	\$13.02	\$12.95
Durable Goods ^b	12.76	12.17	12.36	12.71	12.79	12.74	12.86	12.52	12.51	12.80	13.16	13.22	13.11
Fabricated metal products	9.39	9.31	9.28	9.41	9.34	9.38	9.46	9.33	9.33	9.36	9.40	9.48	9.60
Machinery, except electrical	13.29	12.87	12.95	13.24	13.35	13.42	13.50	13.15	13.07	13.31	13.55	13.52	13.41
Metalworking machinery	12.24	12.17	12.20	12.13	12.06	12.09	12.21	12.06	12.23	12.33	12.40	12.44	12.56
General industrial machinery	11.00	10.62	10.67	10.67	10.68	10.84	10.60	11.00	11.04	11.15	11.08	11.60	11.85
Electric and electronic equipment	10.10	9.87	9.87	9.99	10.14	10.28	10.25	10.15	10.04	10.13	10.14	10.20	10.20
Electrical industrial apparatus	11.44	11.11	10.98	11.28	11.49	11.63	11.55	11.42	11.35	11.50	11.48	11.64	11.93
Transportation equipment	15.78	14.80	15.24	15.60	15.83	15.57	15.79	15.31	15.55	15.86	16.50	16.60	16.40
Non-durable Goods ^c	12.10	11.61	11.71	11.80	12.11	12.24	12.27	12.02	11.97	12.29	12.28	12.41	12.45
Food and kindred products	8.64	8.44	8.67	8.56	8.61	8.55	8.39	8.50	8.57	8.52	8.69	8.90	9.09
Paper and allied products	11.19	11.09	11.03	11.15	11.20	11.33	11.53	11.21	10.98	11.18	11.00	11.16	11.39
Printing and publishing	11.27	10.86	11.00	11.07	11.16	11.21	11.35	11.31	11.42	11.60	11.41	11.38	11.49
Rubber and misc. plastics products	15.81	14.77	14.89	15.02	15.69	15.98	16.00	15.57	15.77	16.39	16.44	16.58	16.53
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.60	13.45	13.47	13.92	13.35	13.39	13.41	13.53	13.69	13.68	13.68	13.93	13.71
WHOLESALE TRADE	10.26	10.30	10.46	10.37	10.36	10.31	10.21	10.14	10.21	10.25	10.19	10.14	10.15
RETAIL TRADE^d	5.77	5.80	5.70	5.79	5.80	5.73	5.72	5.75	5.71	5.77	5.75	5.82	5.91
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.59	10.72	10.66	10.64	10.64	10.57	10.67	10.63	10.59	10.53	10.48	10.43	10.51

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."

^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-4-6 (1988)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.4	42.2	42.4	43.2	43.3	43.7	44.0	42.4	42.2	43.6	44.3	44.6	44.4
Durable Goods ^b	43.6	42.2	42.4	43.4	43.3	43.8	44.3	42.6	42.5	43.8	44.8	45.2	44.5
Fabricated metal products	41.7	43.3	42.6	42.1	41.4	41.9	42.1	41.4	41.1	40.6	39.8	41.3	43.1
Machinery, except electrical	44.4	43.0	42.8	43.8	44.0	44.6	45.1	43.3	43.6	45.0	45.9	46.0	45.3
Metalworking machinery	46.1	45.3	45.9	45.6	44.3	44.2	46.2	45.3	46.7	47.5	47.5	47.2	48.0
General industrial machinery	43.6	41.1	41.2	42.5	42.3	44.1	42.7	44.7	44.1	45.4	43.2	44.3	47.6
Electric and electronic equipment	44.7	46.0	44.5	44.6	44.3	44.0	44.0	43.6	44.3	44.6	45.2	46.0	45.8
Electrical industrial apparatus	47.1	49.2	46.3	45.7	45.5	46.0	46.9	45.4	46.2	47.1	48.2	49.5	50.2
Transportation equipment	44.2	41.1	42.4	44.4	44.2	44.4	45.4	42.8	42.1	44.1	46.8	47.3	45.6
Non-durable Goods ^c	42.8	42.1	42.6	42.7	43.1	43.4	43.1	41.9	41.4	43.1	42.9	42.8	44.0
Food and kindred products	41.0	40.8	40.5	39.3	37.9	40.8	40.4	42.0	42.1	41.7	41.3	42.3	42.5
Paper and allied products	45.4	46.3	46.8	46.2	46.4	46.5	46.9	43.7	41.8	45.6	43.5	44.2	47.6
Printing and publishing	39.9	38.8	38.7	40.0	40.7	40.3	40.2	39.4	40.3	39.8	41.5	39.4	40.1
Rubber and misc. plastics products	43.4	41.4	43.1	42.9	44.3	44.6	43.5	41.7	42.0	43.9	44.6	44.5	44.7
TRANSPORTATION AND PUBLIC UTILITIES .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.3	40.0	39.7	41.1	39.7	40.0	40.1	40.7	40.5	40.5	40.4	40.6	40.0
WHOLESALE TRADE	39.9	39.8	40.0	40.0	39.4	39.6	40.3	39.9	39.7	39.6	39.8	39.9	40.2
RETAIL TRADE	28.2	26.9	27.3	27.7	27.9	28.2	28.5	28.7	28.6	28.3	28.5	28.1	29.4
SERVICES .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.3	34.7	34.8	34.5	34.7	34.6	34.4	34.2	34.3	33.8	33.8	34.2	34.2

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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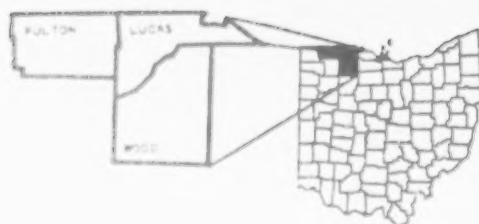
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$546.41	\$507.24	\$516.86	\$539.14	\$546.45	\$551.06	\$559.24	\$525.34	\$522.44	\$552.41	\$573.69	\$580.69	\$574.98
Durable Goods ^b	556.34	513.57	524.06	551.61	553.81	558.01	569.70	533.35	531.68	560.64	589.57	597.54	583.40
Fabricated metal products	391.56	403.12	395.33	396.16	386.68	393.02	398.27	386.26	383.46	380.02	374.12	391.52	413.76
Machinery, except electrical	590.08	553.41	554.26	579.91	587.40	598.53	608.85	569.40	569.85	598.95	621.95	621.92	607.47
Metalworking machinery	564.26	551.30	559.98	553.13	534.26	534.38	564.10	546.32	571.14	585.68	589.00	587.17	602.88
General industrial machinery	479.60	436.48	439.60	453.48	451.76	478.04	452.62	491.70	486.86	506.21	478.66	513.88	564.06
Electric and electronic equipment	451.47	454.02	439.22	445.55	449.20	452.32	451.00	442.54	444.77	451.80	458.33	469.20	467.16
Electrical industrial apparatus	538.82	546.61	508.37	515.50	522.80	534.98	541.70	518.47	524.37	541.65	553.34	576.18	598.89
Transportation equipment	697.48	608.28	646.18	692.64	699.69	691.31	716.87	655.27	654.66	699.43	772.20	785.18	747.84
Nondurable Goods ^c	517.88	488.78	498.85	503.86	521.94	531.22	528.84	503.64	495.56	529.70	526.81	531.15	547.80
Food and kindred products	354.24	344.35	351.14	336.41	326.32	348.84	338.96	357.00	360.80	355.28	358.90	376.47	386.33
Paper and allied products	508.03	513.47	516.20	515.13	519.68	526.85	540.76	489.88	458.96	509.81	478.50	493.27	542.16
Printing and publishing	449.67	421.37	425.70	442.80	454.21	451.76	456.27	445.61	460.23	461.68	473.52	448.37	460.75
Rubber and misc. plastics products	686.15	611.48	641.76	644.36	695.07	712.71	696.00	649.27	662.34	719.52	733.22	737.81	738.89
TRANSPORTATION AND PUBLIC UTILITIES	548.08	538.00	534.76	572.11	530.00	535.60	537.74	550.67	554.45	554.04	552.67	565.56	548.40
Communication, electric, gas services ..	548.08	538.00	534.76	572.11	530.00	535.60	537.74	550.67	554.45	554.04	552.67	565.56	548.40
WHOLESALE TRADE	409.37	409.94	418.40	414.80	408.18	408.28	411.46	404.59	405.34	405.90	405.56	404.59	408.03
RETAIL TRADE ^d	162.71	156.02	155.61	160.38	161.82	161.59	163.02	165.03	163.31	163.29	163.88	163.54	173.75
SERVICES	363.24	371.98	370.97	367.08	369.21	365.72	367.05	363.55	363.24	355.91	354.22	356.71	359.44
Health services	363.24	371.98	370.97	367.08	369.21	365.72	367.05	363.55	363.24	355.91	354.22	356.71	359.44
Hospitals	363.24	371.98	370.97	367.08	369.21	365.72	367.05	363.55	363.24	355.91	354.22	356.71	359.44

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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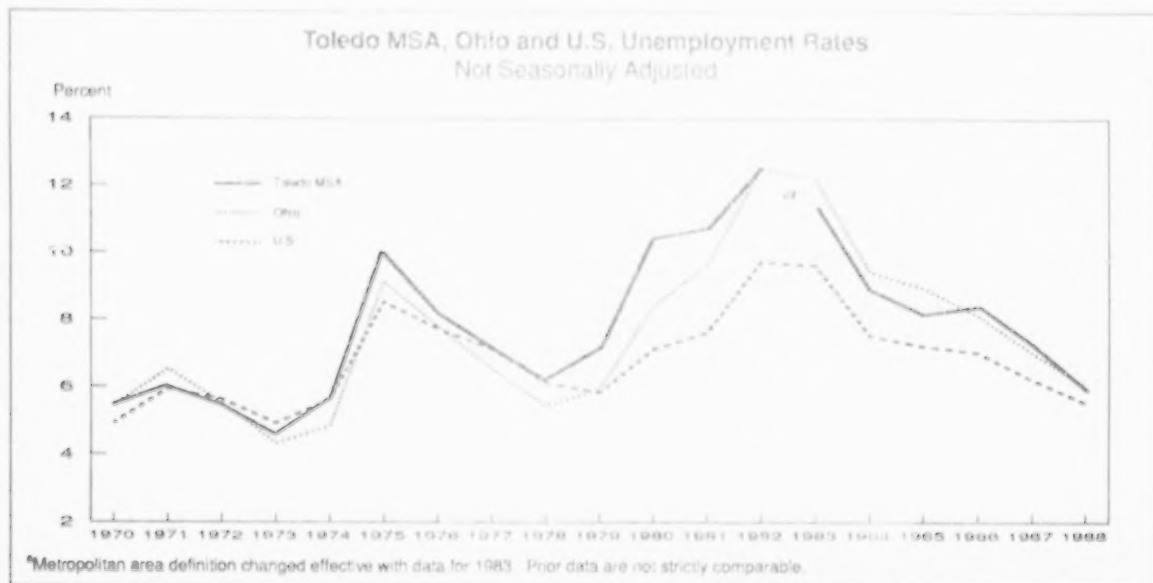
TOLEDO METROPOLITAN STATISTICAL AREA



Based on place of residence, the estimated average annual civilian labor force in the Toledo metropolitan area was 310,300 in 1988, increasing 2,700 from the 1987 level. Total employment, at 292,100, gained 7,000, while unemployment declined 4,300 to 18,200 in 1988. The unemployment rate dropped 1.4 points, from 7.3 percent in 1987 to 5.9 percent in 1988. (See table, page 95, top.)

Nonagricultural payroll employment advanced 6,900 to 284,900 in 1988, a 2.5 percent increase from 1987. Expansion in the nonmanufacturing sector accounted for most of the gain. Primary growth industries were services (+2,800) and retail trade (+1,800). Manufacturing employment rose 300 over the year with improvements in rubber and miscellaneous plastics products, primary metal industries, and food and kindred products. Employment in electric and electronic equipment, transportation equipment, stone, clay, and glass products, and nonelectrical machinery declined.

Nonfarm wage and salary employment in the Toledo area advanced 39,700 since the 1979-1983 economic downturn. Expansion in the nonmanufacturing sector contributed 92.7 percent of the gain. Leading growth industries were services (+15,300) and retail trade (+11,100). Manufacturing has recovered 16.5 percent of jobs lost during the recessionary period, due to scattered increases in nondurable- and durable-goods industries. Although employment in transportation equipment has declined the last three years, the industry remains 1,500 above the 1983 level. Employment in stone, clay, and glass products continued its downward trend. (See table, page 95, bottom.)



Toledo MSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employed and Unemployed in Thousands)

Civilian Labor Force						Nonagricultural Wage & Salary Employment			
Employment						Manufacturing			
Unemployment						Nonmfg.			
Unemployment Rate ^b									
MSA						Ohio			
U.S.									
329.4	311.3	18.1	5.5	5.5	5.6	1972	241.7	77.9	163.8
339.8	324.2	15.6	4.6	4.3	4.9	1973	252.2	82.0	170.2
343.8	324.2	19.7	5.7	4.8	5.6	1974	251.6	78.8	172.7
344.8	310.2	34.6	10.0	9.1	8.5	1975	241.0	70.9	170.1
347.8	319.4	28.4	8.2	7.8	7.7	1976	248.3	74.5	173.9
355.0	329.4	25.6	7.2	6.5	7.1	1977	256.3	77.2	179.1
362.1	339.7	22.4	6.2	5.4	6.1	1978	264.7	79.4	185.3
368.2	341.7	26.4	7.2	5.9	5.8	1979	268.2	77.4	190.8
368.2	329.8	38.4	10.4	8.4	7.1	1980	257.0	66.4	190.6
367.4	328.0	39.4	10.7	9.6	7.6	1981	254.2	65.8	188.4
369.4	323.0	46.4	12.6	12.5	9.7	1982	244.4	60.2	184.2
289.2 ^c	256.1 ^c	33.1 ^c	11.4 ^c	12.2	9.6	1983	245.3	59.6	185.7
293.5	267.3	26.2	8.9	9.4	7.5	1984	257.0	64.8	192.2
296.5	272.3	24.3	8.2	8.9	7.2	1985	264.5	65.7	198.8
307.1	281.2	25.8	8.4	8.1	7.0	1986	272.0	63.4	208.6
307.6	285.1	22.5	7.3	7.0	6.2	1987	278.0	62.2	215.9
310.3	292.1	18.2	5.9	6.0	5.5	1988	284.9	62.5	222.4

^aCivilian labor force estimates are based on place of residence.

Nonagricultural wage and salary employment estimates are based on place of work.

^bUnemployment as percent of civilian labor force.

^cData not comparable to previous years due to change in metropolitan area definition.

Nonagricultural Wage and Salary Employment in Selected Industries
In the Toledo Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

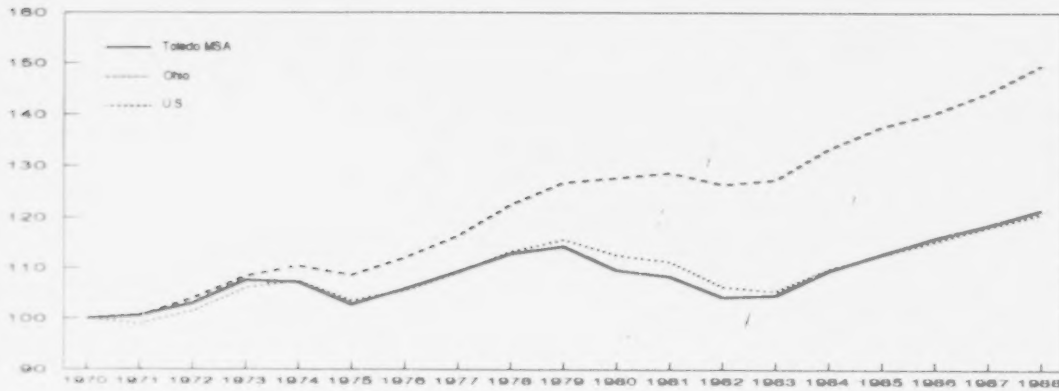
Industry	Employment (In thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983	1983 - 1988	MSA	Ohio
TOTAL	268.2	245.3	284.9	-22.9	39.7	173.0	150.5
Manufacturing	77.4	59.6	62.5	-17.9	2.9	16.5	11.7
Durable Goods	61.5	46.2	47.4	-15.3	1.2	7.8	7.8
Stone, Clay, and Glass Products	13.8	10.1	7.7	-3.7	-2.4	-	-
Transportation Equipment	17.7	14.3	15.8	-3.4	1.5	43.0	28.8
Motor Vehicles and Equipment	16.3	13.1	14.9	-3.2	1.8	55.0	23.9
Nondurable Goods	16.0	13.4	15.1	-2.6	1.8	67.2	29.0
Construction	10.3	7.3	10.6	-3.0	3.2	108.3	101.3
Transportation and Public Utilities	17.7	13.8	13.1	-3.8	-7	-	38.7
Wholesale Trade	14.1	13.9	14.9	-.3	1.0	383.1	308.7
Retail Trade	47.1	44.6	55.7	-2.5	11.1	445.3	527.1
Finance, Insurance, and Real Estate	9.3	9.5	12.3	.1	2.9	+	+
Services	53.0	57.8	73.1	4.8	15.3	+	+
Government	39.0	38.6	42.5	-.4	3.9	969.8	227.4

+ No Downturn, 1979 - 1983.

- No Upturn, 1983 - 1988.

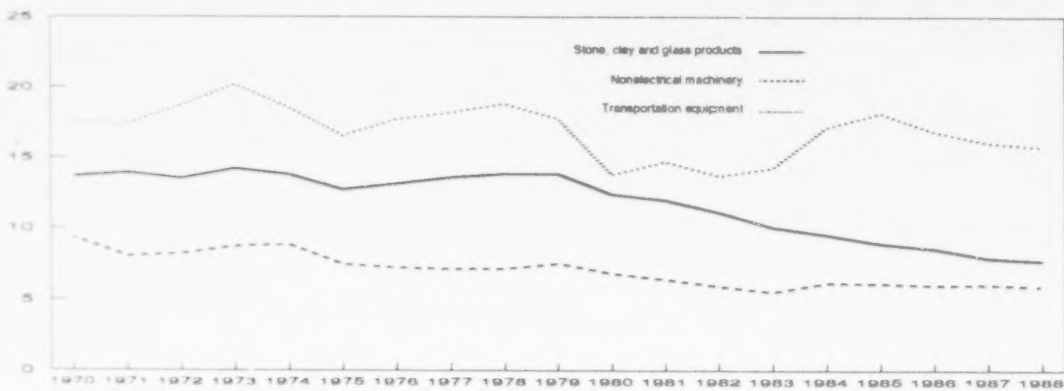
Indexes of Total Nonagricultural Wage and Salary Employment

Index (1970=100)



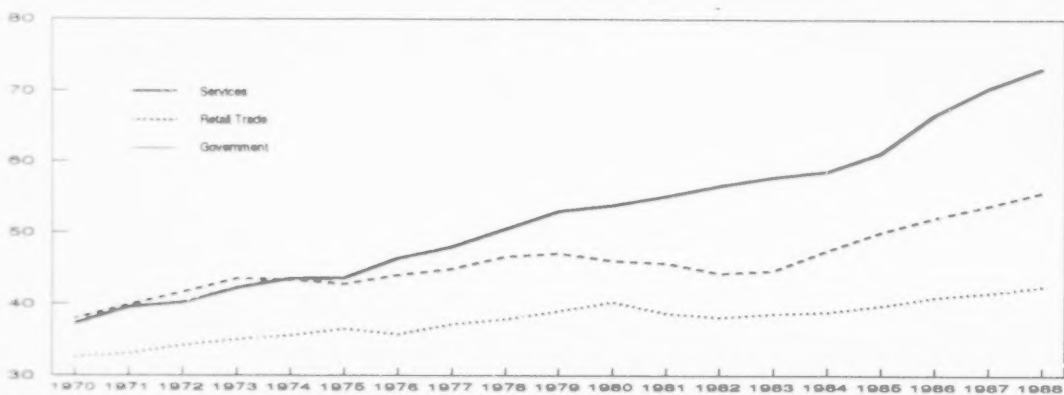
Toledo MSA Nonagricultural Employment (Selected Manufacturing Industries)

Thousands



Toledo MSA Nonagricultural Employment (Selected Nonmanufacturing Industries)

Thousands



MONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1988^a
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	284.9	277.2	276.1	279.4	282.4	285.0	285.5	283.1	282.9	289.5	291.3	294.5	292.4
MANUFACTURING	62.5	61.9	61.2	61.7	61.9	62.1	63.5	63.1	63.3	63.6	62.8	62.6	62.4
Durable Goods ^b	47.4	47.2	46.8	47.0	47.1	47.3	48.2	47.7	47.6	47.5	47.4	47.3	47.3
Stone, clay, and glass products	7.7	7.8	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.6	7.6	7.5
Primary metal industries	3.6	3.4	3.5	3.5	3.6	3.6	3.6	3.5	3.6	3.7	3.7	3.6	3.7
Fabricated metal products	7.4	7.1	7.1	7.2	7.4	7.4	7.6	7.6	7.4	7.5	7.5	7.4	7.3
Metal forgings and stampings	3.1	3.0	3.1	3.1	3.1	3.1	3.3	3.3	3.1	3.2	3.2	3.1	2.9
Machinery, except electrical	5.9	5.9	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0
Electric and electronic equipment	2.3	2.5	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.2	2.2	2.2
Transportation equipment	15.8	16.0	15.7	15.7	15.7	15.8	16.0	15.9	15.8	15.7	15.6	15.7	15.7
Motor vehicles and equipment	14.9	15.1	14.9	14.8	14.8	14.9	15.1	14.9	14.9	14.7	14.7	14.7	14.8
Nondurable Goods ^c	15.1	14.6	14.4	14.6	14.8	14.8	15.3	15.3	15.7	16.1	15.4	15.3	15.0
Food and kindred products	4.1	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.4	4.7	4.0	4.2	4.2
Rubber and misc. plastics products	3.6	3.4	3.4	3.5	3.5	3.6	3.6	3.8	3.7	3.7	3.6	3.5	3.4
NONMANUFACTURING^d	222.4	215.3	215.0	217.7	220.5	223.0	222.0	220.0	219.6	225.9	228.4	231.9	230.0
CONSTRUCTION	10.6	8.7	8.5	9.1	9.8	10.4	11.0	11.5	11.6	11.7	11.9	11.6	11.3
TRANSPORTATION AND PUBLIC UTILITIES	13.1	12.9	12.8	12.8	13.0	13.1	13.1	13.3	13.5	13.4	13.4	13.2	13.3
Trucking and warehousing	5.4	5.3	5.2	5.3	5.3	5.3	5.3	5.4	5.5	5.4	5.5	5.5	5.6
Communication, electric, gas services ..	4.8	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.8
WHOLESALE TRADE	14.9	14.6	14.6	14.7	14.8	14.9	15.0	15.0	15.0	14.9	15.0	14.9	14.9
Wholesale trade-durable goods	9.9	9.7	9.7	9.7	9.8	9.9	10.0	10.0	10.0	10.0	10.1	10.0	10.0
RETAIL TRADE	55.7	54.1	53.2	53.8	54.6	55.3	55.8	55.6	55.9	56.0	56.4	58.1	59.5
General merchandise stores	8.3	8.4	7.8	7.8	7.8	7.9	8.0	8.0	8.2	8.3	8.7	9.3	9.7

See footnotes at end of table.

RS-790-1-7 (1988)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1988^a (continued)
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	12.3	12.2	12.1	12.2	12.3	12.3	12.3	12.3	12.5	12.4	12.5	12.4	12.5
Banking	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
SERVICES	73.1	70.1	70.2	70.9	72.1	72.7	74.4	74.6	74.6	74.6	74.5	74.4	74.3
Business services	15.3	14.5	14.6	14.6	14.9	14.9	15.2	15.7	15.9	16.0	15.9	15.9	15.9
Health services	27.0	26.7	26.7	26.7	26.8	26.9	27.1	27.2	27.1	27.1	27.2	27.2	27.3
Hospitals	15.0	15.0	15.0	15.0	15.0	15.0	15.1	15.0	14.9	14.9	15.0	15.0	15.0
GOVERNMENT	42.5	42.5	43.5	44.0	43.8	44.0	40.0	37.5	36.2	42.6	44.5	47.0	43.9
State government	15.2	15.3	16.2	16.5	16.6	16.3	13.1	12.5	11.6	15.3	16.9	16.9	15.8
State government education	11.1	11.2	12.2	12.4	12.5	12.2	8.9	8.3	7.4	11.2	12.7	12.8	11.6
State government, except education ...	4.1	4.1	4.0	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.1	4.1	4.2
Local government	24.6	24.6	24.7	24.9	24.6	25.1	24.3	22.3	22.0	24.6	25.0	27.4	25.5
Local government education	14.0	14.4	14.6	14.7	14.4	14.7	13.7	11.7	11.4	14.2	14.6	14.9	15.1
Local government, except education ...	10.6	10.2	10.1	10.2	10.2	10.4	10.6	10.7	10.6	10.5	10.5	12.5	10.4

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."

^bIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.

^dIncludes mining. ^eDepressed due to labor-management disputes.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1987^a
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	278.0	271.2	271.5	273.4	277.5	280.3	278.7	274.5	274.4	280.5	283.6	284.9	285.9
MANUFACTURING	62.2	61.9	61.8	61.9	62.1	61.9	62.1	61.1	61.7	62.7	62.9	62.8	63.1
Durable Goods ^b	47.8	48.3	48.2	48.3	48.0	47.8	48.0	46.9	46.9	47.2	48.0	48.1	48.4
Stone, clay, and glass products	7.9	8.0	8.0	7.9	7.8	7.8	7.9	7.8	7.9	7.9	8.1	8.1	8.1
Primary metal industries	3.3	3.6	3.6	3.6	3.5	3.4	3.4	3.1	3.2	3.1	3.2	3.2	3.3
Fabricated metal products	7.5	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3	7.2	7.2	7.2	7.2
Metal forgings and stampings	3.2	3.4	3.4	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.1	3.0	3.1
Machinery, except electrical	6.1	5.9	6.0	6.0	6.2	6.1	6.1	6.0	6.0	6.1	6.1	6.1	6.2
Electric and electronic equipment	2.6	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6
Transportation equipment	16.1	16.0	16.0	16.2	16.1	16.1	16.1	15.6	15.7	15.9	16.3	16.4	16.5
Motor vehicles and equipment	15.2	15.0	15.1	15.2	15.1	15.1	15.2	14.7	14.8	15.0	15.4	15.5	15.6
Nondurable Goods ^c	14.3	13.6	13.6	13.6	14.1	14.2	14.1	14.2	14.9	15.4	14.9	14.6	14.7
Food and kindred products	3.8	3.5	3.4	3.4	3.6	3.7	3.8	3.8	4.5	4.6	3.9	3.7	3.8
Rubber and misc. plastics products	3.0	2.8	2.8	2.9	2.9	2.9	2.7	2.8	2.9	3.2	3.4	3.4	3.3
NONMANUFACTURING^d	215.9	209.3	209.7	211.6	215.5	218.4	216.5	213.5	212.6	217.9	220.8	222.2	222.8
CONSTRUCTION	10.1	9.0	8.7	8.8	9.5	10.3	10.7	10.8	10.8	10.6	11.0	10.9	10.4
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.1	13.0	13.1	13.5	13.6	13.9	14.1	14.1	14.1	13.9	13.7	13.8
Trucking and warehousing	5.4	5.1	5.1	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.7	5.8
Communication, electric, gas services ..	4.9	4.9	5.0	5.0	4.9	4.9	5.0	5.0	5.0	5.0	4.8	4.8	4.8
WHOLESALE TRADE	14.6	14.2	14.2	14.3	14.5	14.6	14.8	14.7	14.8	14.7	14.8	14.7	14.7
Wholesale trade-durable goods	9.8	9.4	9.5	9.5	9.6	9.7	9.9	9.9	9.9	9.9	10.0	9.9	9.8
RETAIL TRADE	53.8	52.8	51.9	52.3	53.2	53.8	54.2	53.8	53.9	53.9	54.1	55.6	56.7
General merchandise stores	7.9	8.1	7.6	7.6	7.5	7.4	7.4	7.5	7.6	7.7	8.0	8.7	9.1

See footnotes at end of table.

RS-790-1-7 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1987^a (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August ^c	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	11.6	11.0	11.1	11.1	11.3	11.5	11.5	11.7	11.9	11.8	12.0	12.1	12.1
Banking	3.5	3.5	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6
SERVICES	70.3	67.2	67.8	68.8	70.1	70.9	71.4	71.1	71.1	71.6	71.4	71.4	71.3
Business services	14.3	13.2	13.5	13.6	14.1	14.5	14.6	14.3	14.4	14.5	14.8	14.9	14.9
Health services	26.9	26.7	26.7	26.8	26.7	26.8	26.9	27.1	27.2	27.1	26.8	26.9	27.0
Hospitals	15.2	15.0	15.1	15.2	15.1	15.2	15.4	15.4	15.4	15.2	15.2	15.1	15.1
GOVERNMENT	41.5	41.8	42.8	43.1	43.1	43.4	39.9	37.0	35.8	40.8	43.3	43.6	43.6
State government	14.9	15.2	16.0	16.3	16.2	16.2	12.7	12.3	11.5	14.3	16.3	16.3	16.1
State government education	10.9	11.2	12.1	12.2	12.2	12.1	8.6	8.2	7.3	10.3	12.3	12.3	12.1
State government, except education ...	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.0
Local government	23.9	23.9	24.1	24.2	24.3	24.6	24.5	22.1	21.7	23.9	24.4	24.6	24.8
Local government education	13.6	13.7	14.0	14.1	14.0	14.2	13.8	11.2	10.9	13.6	14.2	14.4	14.6
Local government, except education ...	10.4	10.2	10.1	10.1	10.2	10.5	10.7	11.0	10.8	10.3	10.2	10.2	10.2

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."

^bIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.

^dIncludes mining. ^eDepressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$13.12	\$13.10	\$12.75	\$13.19	\$13.23	\$13.04	\$13.17	\$12.92	\$12.94	\$13.15	\$13.19	\$13.43	\$13.30
Durable Goods ^b	13.59	13.58	13.26	13.70	13.79	13.57	13.67	13.38	13.28	13.64	13.61	13.86	13.71
Stone, clay, and glass products	12.76	12.71	12.67	12.92	12.72	12.80	12.56	12.82	12.71	12.78	12.83	12.77	12.83
Primary metal industries	11.30	11.25	11.20	11.21	11.29	11.22	11.45	11.07	11.37	11.38	11.43	11.32	11.39
Fabricated metal products	12.42	12.97	12.68	12.81	12.77	12.73	12.62	12.15	12.09	12.22	12.01	11.89	11.99
Metal forgings and stampings	15.12	15.73	15.62	15.42	15.44	15.38	15.14	14.48	14.83	14.85	14.69	14.51	15.27
Machinery, except electrical	11.97	12.00	11.99	11.91	12.04	11.96	11.90	11.98	11.81	11.97	12.01	12.02	12.08
Electric and electronic equipment	12.29	12.80	12.73	12.29	12.16	12.11	11.52	11.56	11.61	12.52	12.56	12.73	12.50
Transportation equipment	16.63	16.26	15.79	16.63	16.83	16.39	16.80	16.39	16.32	16.89	16.88	17.25	16.92
Motor vehicles and equipment	16.77	16.37	15.90	16.75	16.96	16.55	16.96	16.57	16.49	17.04	17.02	17.38	17.03
Non-durable Goods ^c	11.40	11.28	10.86	11.24	11.12	10.99	11.27	11.26	11.79	11.50	11.64	11.87	11.83
Food and kindred products	13.12	12.47	12.41	13.37	12.66	12.78	12.84	12.92	13.77	12.97	13.25	14.03	13.67
Rubber and misc. plastics products	8.39	8.41	8.19	8.19	8.38	8.33	8.45	8.29	8.30	8.41	8.47	8.58	8.72
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	14.54	14.55	14.36	14.70	14.50	14.56	14.52	14.59	14.72	14.56	14.56	14.57	14.30
WHOLESALE TRADE	9.81	9.62	9.61	9.64	9.62	9.72	9.76	9.94	10.05	9.95	9.99	9.88	9.86
RETAIL TRADE ^d	5.61	5.56	5.55	5.63	5.61	5.58	5.58	5.56	5.54	5.60	5.68	5.69	5.71

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.4	43.7	41.3	43.1	43.3	42.4	43.4	42.1	42.5	44.6	44.4	45.1	44.3
Durable Goods ^b	43.5	44.0	41.3	43.2	43.4	42.7	43.8	42.1	42.3	44.6	44.6	45.4	44.8
Stone, clay, and glass products	40.2	40.2	39.8	41.2	40.1	39.7	39.4	39.8	41.2	40.1	40.9	39.9	40.5
Primary metal industries	43.6	43.0	42.4	43.2	42.9	42.8	45.5	41.5	44.7	44.3	43.6	44.3	45.2
Fabricated metal products	43.5	46.4	43.5	42.2	42.0	42.6	43.4	40.9	41.3	43.9	44.5	44.8	46.3
Metal forgings and stampings	44.7	48.9	46.5	44.6	45.5	45.8	45.9	41.3	42.1	43.5	43.0	43.8	46.1
Machinery, except electrical	42.9	43.4	43.4	42.9	42.8	42.3	42.7	42.0	41.7	42.6	43.1	43.4	44.5
Electric and electronic equipment	43.3	43.9	42.9	41.2	42.0	42.7	40.9	40.8	42.1	46.6	45.6	45.7	46.3
Transportation equipment	45.2	45.2	38.9	44.7	46.2	44.4	46.7	43.5	42.5	46.7	47.1	49.6	46.5
Motor vehicles and equipment	45.3	45.3	38.8	44.8	46.4	44.5	46.9	43.5	42.4	46.9	47.2	49.9	46.6
Non-durable Goods ^c	42.7	42.5	41.3	42.4	42.7	41.4	42.1	42.1	43.4	44.6	43.3	44.1	42.6
Food and kindred products	45.0	45.3	43.0	44.2	43.7	42.3	42.7	43.9	47.1	48.8	44.5	48.1	45.3
Rubber and misc. plastics products	41.6	41.3	40.9	41.1	43.0	41.2	42.6	42.1	40.9	43.0	40.6	41.5	40.7
TRANSPORTATION AND PUBLIC UTILITIES .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	41.6	41.1	40.7	42.0	41.7	41.5	41.4	42.7	42.7	41.9	41.4	41.5	41.0
WHOLESALE TRADE	39.0	38.5	38.3	38.6	38.8	38.8	38.7	39.2	39.5	38.8	39.9	39.8	39.5
RETAIL TRADE	28.6	28.7	28.4	28.7	28.9	28.6	28.7	29.0	28.9	28.2	28.1	27.9	28.9

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

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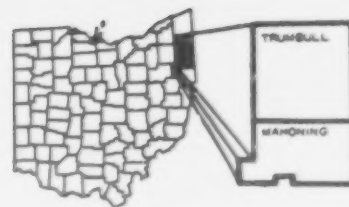
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$569.41	\$572.47	\$526.58	\$568.49	\$572.86	\$552.90	\$571.58	\$543.93	\$549.95	\$586.49	\$585.64	\$605.69	\$599.19
Durable Goods ^b	591.17	597.52	547.64	591.84	598.49	579.44	598.75	563.30	561.74	608.34	607.01	629.24	614.21
Stone, clay, and glass products	512.95	510.94	504.27	532.30	510.07	508.16	494.86	510.24	523.65	512.48	524.75	509.52	519.62
Primary metal industries	492.68	483.75	474.88	484.27	484.34	480.22	520.98	459.41	508.24	504.13	498.35	501.48	514.83
Fabricated metal products	540.27	601.81	560.28	540.58	536.34	542.30	547.71	496.94	499.32	536.45	534.45	532.67	555.14
Metal forgings and stampings	675.86	769.20	726.33	687.73	702.52	704.40	694.93	598.02	624.34	645.98	631.67	635.54	703.95
Machinery, except electrical	513.51	520.80	520.37	510.94	515.31	505.91	508.13	503.16	492.48	509.92	517.63	521.67	537.56
Electric and electronic equipment	532.16	561.92	546.12	506.35	510.72	517.10	471.17	471.65	488.78	583.43	572.74	581.76	578.75
Transportation equipment	751.68	734.95	614.23	743.36	777.55	727.72	784.56	712.97	693.60	788.76	795.05	855.60	786.78
Motor vehicles and equipment	759.68	741.56	616.92	750.40	786.94	736.48	795.42	720.80	699.18	799.18	803.34	867.26	793.60
Non-durable Goods ^c	486.78	479.40	448.52	476.58	474.82	454.99	474.47	474.05	511.69	512.90	504.01	523.47	503.96
Food and kindred products	590.40	564.89	533.63	590.95	553.24	540.59	548.27	567.19	648.57	632.94	589.63	674.84	619.25
Rubber and misc. plastics products	349.02	347.33	334.97	336.61	360.34	343.20	359.97	349.01	339.47	361.63	343.88	356.07	354.90
TRANSPORTATION AND PUBLIC UTILITIES													
Communication, electric, gas services ..	604.86	598.01	584.45	617.40	604.65	604.24	601.13	622.99	628.54	610.06	602.78	604.66	586.30
WHOLESALE TRADE	382.59	370.37	368.06	372.10	373.26	377.14	377.71	389.65	396.98	386.06	398.60	393.22	389.47
RETAIL TRADE ^d	160.45	159.57	157.62	161.58	162.13	159.59	160.15	161.24	160.11	157.92	159.61	158.75	165.02

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^cIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay periods. ^fNot comparable to previous estimates.

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Columbus 43216 4-1-89 RS-790-2-7 (1988)

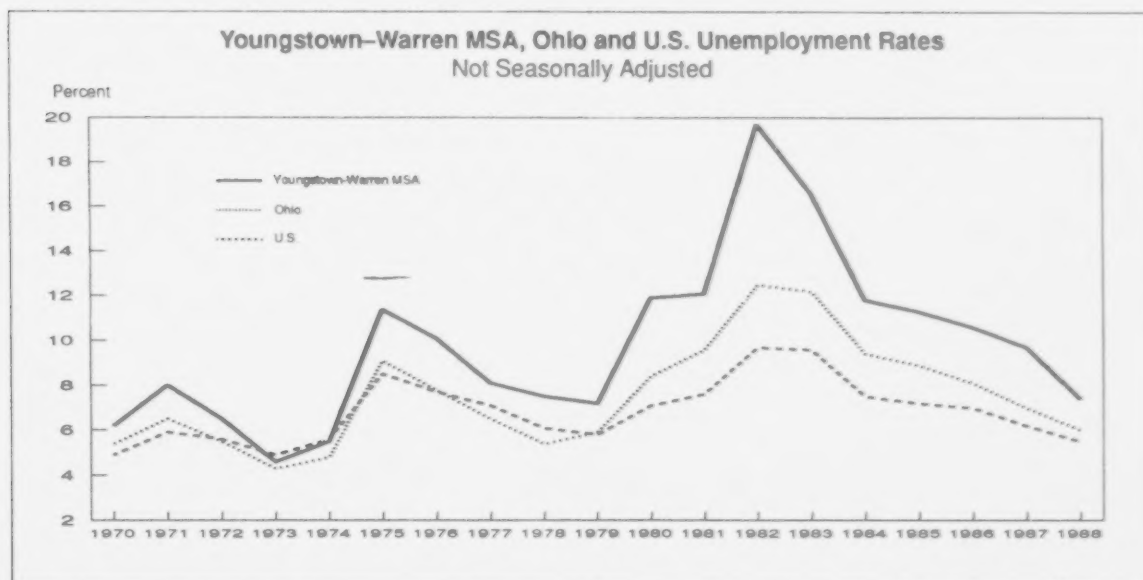
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



The estimated annual average civilian labor force in the Youngstown-Warren metropolitan area, distributed by place of residence, increased 700 from 1987 to 222,300 in 1988. Over the year, total employment rose 5,900 to 205,900, while unemployment decreased 5,200 to 16,400. The unemployment rate fell 2.3 points, from 9.7 percent in 1987 to 7.4 percent in 1988. (See table, page 105, top.)

Nonfarm wage and salary employment totaled 193,900 in 1988, increasing 5,600 above the 1987 level. Growth in the nonmanufacturing sector contributed most to the gain. Noteworthy improvements occurred in services and retail trade. The manufacturing workforce rose 1,600, a 3.2 percent increase from 1987. Moderate expansion was recorded in transportation equipment, primary metal industries, and fabricated metal products.

In the Youngstown-Warren area, nonagricultural payroll employment advanced 16,500 since the 1979-1983 recessionary period, recovering 45.3 percent of jobs lost. Primary growth industries were services, retail trade, construction, and wholesale trade. Manufacturing employment remained 2,300 below the 1983 level with losses still evident in primary metal industries, especially blast furnace and basic steel products. Transportation equipment has recovered 25.0 percent of jobs lost, an increase of 1,400 since the economic downturn. (See table, page 105, bottom.)



Youngstown-Warren MSA Civilian Labor Force and Nonagricultural Wage and Salary Employment^a
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage & Salary Employment		
Employment			Unemployment				Manufacturing		
			Unemployment Rate ^b						
			MSA	Ohio	U.S.				Nonmfg.
226.9	212.1	14.8	6.5	5.5	5.6	1972	201.1	87.9	113.2
232.5	221.8	10.8	4.6	4.3	4.9	1973	211.6	93.0	118.5
236.7	223.7	13.0	5.5	4.8	5.6	1974	213.5	92.0	121.5
236.7	209.8	26.9	11.4	9.1	8.5	1975	200.7	80.8	120.0
234.2	210.5	23.7	10.1	7.8	7.7	1976	203.5	80.6	122.9
234.0	215.0	19.0	8.1	6.5	7.1	1977	208.0	81.1	126.9
235.2	217.5	17.7	7.5	5.4	6.1	1978	210.3	79.4	130.9
237.1	219.9	17.1	7.2	5.9	5.8	1979	213.9	79.9	133.9
238.9	210.5	28.4	11.9	8.4	7.1	1980	203.1	70.8	132.3
234.0	205.7	28.2	12.1	9.6	7.6	1981	198.7	67.3	131.4
237.0	190.3	46.6	19.7	12.5	9.7	1982	180.6	52.9	127.7
225.6	188.1	37.5	16.6	12.2	9.6	1983	177.5	52.8	124.7
222.2	195.9	26.3	11.8	9.4	7.5	1984	182.5	55.1	127.4
221.3	196.3	25.0	11.3	8.9	7.2	1985	184.2	52.7	131.4
223.7	200.0	23.7	10.6	8.1	7.0	1986	187.1	51.7	135.4
221.6	200.0	21.6	9.7	7.0	6.2	1987	188.3	48.9	139.4
222.3	205.9	16.4	7.4	6.0	5.5	1988	193.9	50.5	143.5

^aCivilian labor force estimates are based on place of residence.

Nonagricultural wage and salary employment estimates are based on place of work.

^bUnemployment as percent of civilian labor force.

Nonagricultural Wage and Salary Employment in Selected Industries
in the Youngstown-Warren Metropolitan Statistical Area
Annual Average Data for 1979, 1983, and 1988

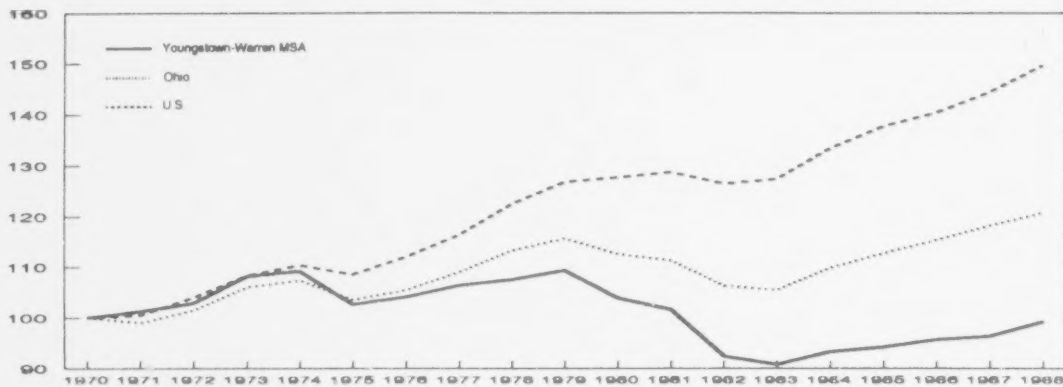
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1988	1979 - 1983	1983 - 1988	MSA	Ohio
TOTAL	213.9	177.5	193.9	-36.4	16.5	45.3	150.5
Manufacturing	79.9	52.8	50.5	-27.2	-2.3	-	11.7
Durable Goods	73.9	47.7	45.2	-26.2	-2.5	-	7.8
Primary Metal Industries	35.7	22.4	18.9	-13.3	-3.4	-	-
Blast Furnace & Basic Steel Products	20.9	9.0	5.8	-11.8	-3.2	-	-
Fabricated Metal Products	9.7	7.7	7.4	-2.1	-.2	-	7.2
Transportation Equipment	13.7	8.3	9.6	-5.4	1.4	25.0	28.8
Nondurable Goods	6.0	5.0	5.2	-1.0	.2	21.1	29.0
Construction	7.0	4.8	7.5	-2.2	2.7	124.1	101.3
Transportation and Public Utilities	10.1	7.6	7.6	-2.6	.0	-	38.7
Wholesale Trade	8.1	7.7	10.2	-.5	2.6	562.9	308.7
Retail Trade	38.5	34.3	39.6	-4.2	5.3	127.1	527.1
Finance, Insurance, and Real Estate	7.0	7.1	8.3	.1	1.2	+	+
Services	37.2	38.9	45.3	1.7	6.4	+	+
Government	25.6	23.6	24.2	-1.9	.6	29.3	227.4

+ No Downturn, 1979 - 1983.

- No Upturn, 1983 - 1988.

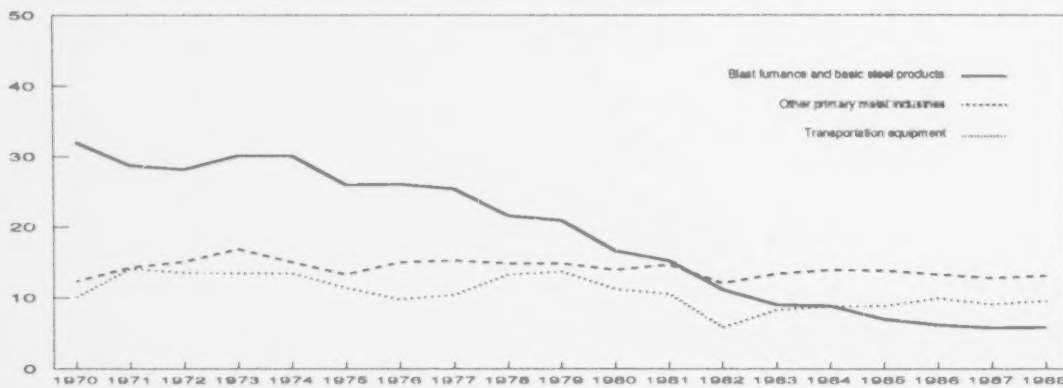
Indexes of Total Nonagricultural Wage and Salary Employment

Index (1970=100)



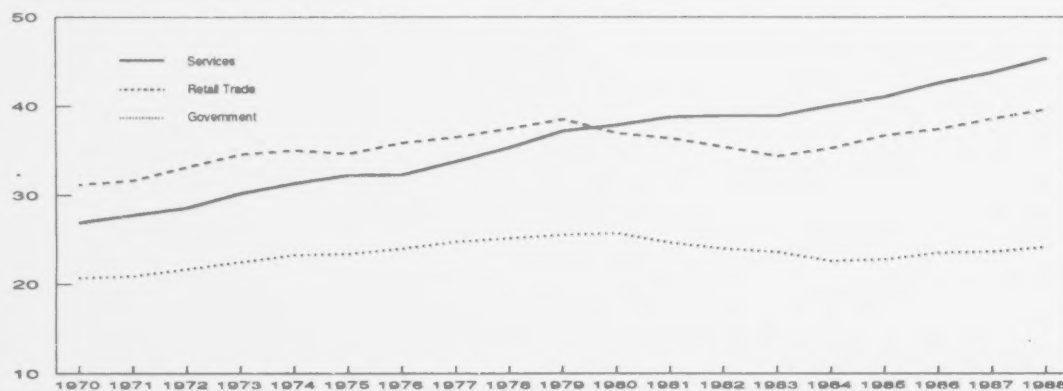
Youngstown-Warren MSA Nonagricultural Employment (Selected Manufacturing Industries)

Thousands



Youngstown-Warren MSA Nonagricultural Employment (Selected Nonmanufacturing Industries)

Thousands



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1988^a
(in thousands)

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	193.9	187.2	187.7	189.4	192.1	195.6	196.9	192.6	193.8	197.6	198.0	199.8	196.7
MANUFACTURING	50.5	49.4	49.6	50.0	50.4	50.7	51.1	48.9	50.3	51.8	51.7	51.9	49.8
Durable Goods ^b	45.2	44.4	44.6	45.0	45.3	45.5	45.8	43.7	44.9	46.3	46.2	46.5	44.6
Primary metal industries	18.9	18.3	18.5	18.7	18.9	18.9	19.3	17.9	18.8	19.4	19.3	19.4	19.5
Blast furnace and basic steel products	5.8	5.9	5.9	5.9	5.8	5.8	5.9	5.8	5.8	5.8	5.8	5.7	5.8
Fabricated metal products	7.4	7.2	7.2	7.4	7.5	7.6	7.6	7.1	7.3	7.6	7.5	7.6	7.6
Machinery, except electrical	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.9
Electric and electronic equipment	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4
Transportation equipment	9.6	9.7	9.8	9.8	9.8	9.8	9.6	9.4	9.5	10.0	9.9	9.9	8.0
Non-durable Goods ^c	5.2	5.0	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.4	5.3
NONMANUFACTURING^d	143.5	137.9	138.1	139.5	141.7	144.8	145.8	143.6	143.4	145.9	146.3	147.9	146.9
CONSTRUCTION	7.5	5.8	5.6	6.0	7.0	7.7	8.2	8.5	8.7	8.5	8.6	8.2	7.5
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.8	7.7	7.8
Communication, electric, gas services ..	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
WHOLESALE TRADE	10.2	9.7	9.7	9.8	10.0	10.2	10.3	10.4	10.4	10.5	10.6	10.5	10.5
Wholesale trade-durable goods	6.6	6.3	6.3	6.3	6.4	6.6	6.6	6.6	6.7	6.7	6.8	6.7	6.7
RETAIL TRADE	39.6	38.7	38.0	38.2	38.8	39.5	40.0	39.9	40.1	40.1	40.3	40.7	41.3
General merchandise stores	5.3	5.5	5.2	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.3	5.6	5.7
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.1	8.1	8.1	8.2	8.3	8.4	8.5	8.5	8.4	8.3	8.2	8.3
Banking	2.8	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.8
SERVICES	45.3	43.2	43.5	44.1	44.9	45.6	46.1	46.2	46.3	46.8	46.1	45.6	45.7
Health services	20.4	20.0	19.9	20.0	20.1	20.2	20.5	20.6	20.7	20.6	20.6	20.5	20.8
Hospitals	10.6	10.4	10.4	10.4	10.5	10.5	10.7	10.7	10.7	10.7	10.7	10.6	10.7
GOVERNMENT	24.2	24.3	25.2	25.2	24.6	25.3	24.4	21.8	21.0	23.1	23.9	26.2	25.0
State government	4.1	4.0	4.5	4.5	4.1	4.4	4.5	3.7	3.4	3.3	4.1	4.5	4.6
State government education	2.6	2.5	3.0	3.0	2.6	2.9	3.0	2.1	1.8	1.8	2.6	3.0	3.1
State government, except education ...	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.5
Local government	18.0	18.3	18.6	18.6	18.5	18.9	17.9	16.1	15.6	17.7	17.8	19.6	18.2
Local government education	11.6	12.2	12.5	12.4	12.3	12.6	11.5	9.5	9.1	11.3	11.5	12.0	11.9
Local government, except education ...	6.4	6.1	6.2	6.2	6.2	6.3	6.4	6.5	6.5	6.4	6.3	7.7	6.3

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^cIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1987^a
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	188.3	183.9	184.3	185.2	187.3	189.6	190.9	183.4	185.1	191.6	192.4	193.2	193.0
MANUFACTURING	48.9	49.2	49.3	49.6	49.8	49.1	49.2	43.6	45.9	50.5	50.2	50.3	50.0
Durable Goods ^b	43.8	44.2	44.4	44.6	44.6	44.1	44.2	38.6	40.8	45.4	45.1	45.1	45.0
Primary metal industries	18.5	18.1	18.4	18.6	18.4	18.0	18.1	17.5	18.4	19.0	19.1	19.1	18.8
Blast furnace and basic steel products	5.7	5.5	5.7	5.8	5.6	5.5	5.6	5.7	5.7	5.8	5.8	5.9	6.0
Fabricated metal products	7.2	7.2	7.2	7.3	7.3	7.4	7.3	6.2	6.6	7.6	7.5	7.5	7.4
Machinery, except electrical	3.6	3.7	3.7	3.8	3.8	3.8	3.8	3.7	3.6	3.6	3.3	3.3	3.6
Electric and electronic equipment	2.3	2.4	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.3	2.4
Transportation equipment	9.1	10.0	9.8	9.6	9.6	9.5	9.5	5.8	6.7	9.7	9.6	9.7	9.7
Nondurable Goods ^c	5.1	5.0	5.0	5.0	5.2	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.0
NONMANUFACTURING^d	139.4	134.7	134.9	135.6	137.6	140.5	141.6	139.8	139.3	141.1	142.1	142.9	142.9
CONSTRUCTION	7.3	5.5	5.4	5.7	6.7	7.5	7.9	8.4	8.5	8.1	8.2	7.9	7.3
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.5	7.5	7.5	7.5	7.6	7.7	7.6	7.6	7.7	7.6	7.6	7.6
Communication, electric, gas services ..	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
WHOLESALE TRADE	9.6	8.9	8.9	9.0	9.3	9.6	9.8	9.8	9.8	9.8	10.0	10.0	10.0
Wholesale trade-durable goods	6.1	5.6	5.7	5.7	6.0	6.2	6.2	6.3	6.3	6.2	6.3	6.3	6.3
RETAIL TRADE	38.6	37.5	37.1	37.5	38.0	38.6	39.1	39.3	39.3	39.1	38.8	39.3	39.9
General merchandise stores	5.5	5.6	5.3	5.3	5.3	5.3	5.3	5.4	5.5	5.4	5.5	5.9	5.9
FINANCE, INSURANCE, AND REAL ESTATE	8.2	8.1	8.0	8.0	8.1	8.2	8.3	8.4	8.4	8.4	8.3	8.3	8.3
Banking	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8
SERVICES	43.8	42.3	42.6	42.5	43.3	44.0	44.3	44.6	44.1	44.9	44.6	44.4	44.2
Health services	19.6	19.0	19.0	19.1	19.3	19.4	19.5	19.7	19.8	19.8	20.0	20.0	20.2
Hospitals	10.2	10.0	10.0	10.0	10.1	10.1	10.1	10.4	10.4	10.4	10.4	10.4	10.4
GOVERNMENT	23.7	24.3	24.7	24.8	24.0	24.4	23.9	21.1	20.9	22.5	23.9	24.8	24.9
State government	4.1	4.0	4.3	4.4	4.0	4.4	4.3	3.6	3.4	3.3	4.0	4.4	4.4
State government education	2.6	2.5	2.9	2.9	2.6	2.9	2.8	2.0	1.8	1.8	2.6	2.9	3.0
State government, except education ...	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.5	1.5	1.5
Local government	17.6	18.1	18.3	18.4	17.9	18.0	17.5	15.4	15.4	17.1	17.8	18.3	18.4
Local government education	11.3	11.8	12.0	12.1	11.8	11.8	11.2	9.0	9.1	11.0	11.7	12.3	12.2
Local government, except education ...	6.2	6.3	6.3	6.3	6.1	6.1	6.3	6.4	6.3	6.2	6.1	6.1	6.2

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1988 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^cIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. ^dIncludes mining. ^eDepressed due to labor-management disputes.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$13.52	\$13.34	\$13.37	\$13.41	\$13.55	\$13.58	\$13.60	\$13.43	\$13.40	\$13.59	\$13.63	\$13.68	\$13.66
Durable Goods ^b	13.79	13.60	13.62	13.65	13.82	13.82	13.86	13.70	13.66	13.88	13.92	13.96	13.94
Primary metal industries	14.94	14.59	14.59	14.65	15.02	14.97	15.11	14.93	14.85	15.05	15.15	15.18	15.12
Blast furnace and basic steel products	13.71	13.56	13.97	13.92	13.62	13.72	13.77	13.74	13.52	13.41	13.59	13.73	13.90
Fabricated metal products	13.27	13.11	13.15	13.19	13.35	13.37	13.43	13.03	13.05	13.31	13.44	13.45	13.30
Machinery, except electrical	11.45	11.65	11.42	11.44	11.41	11.30	11.31	11.37	11.41	11.53	11.49	11.49	11.56
Electric and electronic equipment	11.15	11.10	11.18	11.09	11.07	11.09	11.01	11.25	11.16	11.27	11.15	11.23	11.24
Transportation equipment	14.56	14.67	14.63	14.64	14.54	14.55	14.52	14.51	14.36	14.54	14.47	14.54	14.75
Nondurable Goods ^c	10.39	10.34	10.27	10.39	10.24	10.62	10.67	10.48	10.49	10.22	10.28	10.33	10.34
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.81	13.58	13.60	13.67	13.59	13.68	13.65	13.82	13.95	13.95	14.18	14.08	13.95
WHOLESALE TRADE	9.36	9.20	9.23	9.27	9.29	9.41	9.22	9.37	9.28	9.39	9.49	9.52	9.57
RETAIL TRADE ^d	6.03	5.98	6.00	6.01	6.01	5.97	6.05	6.06	6.02	6.03	6.01	6.10	6.10

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^cIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-4-8 (1988)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.6	41.8	41.5	41.6	42.1	43.7	42.8	42.3	41.6	43.4	43.0	43.4	43.5
Durable Goods ^b	42.8	42.0	41.7	41.8	42.3	44.0	42.9	42.6	41.9	43.6	43.2	43.7	43.9
Primary metal industries	42.7	41.6	41.6	41.6	42.9	42.9	43.4	41.8	41.9	43.4	43.7	44.0	43.7
Blast furnace and basic steel products	45.6	44.6	47.3	47.0	44.3	45.1	45.6	45.8	44.7	45.5	45.6	45.1	46.3
Fabricated metal products	42.5	41.4	41.1	41.6	42.9	43.9	44.0	41.6	41.3	41.7	43.8	44.4	42.3
Machinery, except electrical	42.7	43.4	42.6	42.4	41.7	41.9	41.1	42.6	42.1	43.7	43.4	43.1	44.3
Electric and electronic equipment	40.8	41.7	40.4	40.7	40.7	40.3	41.2	40.4	41.2	41.7	41.0	40.7	39.4
Transportation equipment	44.0	42.8	42.5	42.6	42.1	48.0	42.7	45.1	42.4	46.0	43.0	44.3	47.5
Non-durable Goods ^c	40.1	39.3	38.9	39.4	39.8	40.1	41.4	40.1	39.3	41.6	40.7	40.8	39.3
TRANSPORTATION AND PUBLIC UTILITIES .....	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.1	39.6	39.6	39.7	39.6	39.9	39.6	40.5	40.5	40.4	40.9	40.5	40.1
WHOLESALE TRADE	38.9	37.6	38.1	37.8	38.8	38.5	38.6	38.7	39.6	39.6	39.7	39.6	39.4
RETAIL TRADE	29.2	28.6	28.6	28.7	28.8	29.4	29.5	29.7	29.6	29.1	29.1	28.9	30.3

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^cIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. ^dLow due to labor-management disputes during part of pay period. ^eNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-3-8 (1988)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1988^a

Industry	1988 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	\$575.95	\$557.61	\$554.86	\$557.86	\$570.46	\$593.45	\$582.08	\$568.09	\$557.44	\$589.81	\$586.09	\$593.71	\$594.21
Durable Goods ^b	590.21	571.20	567.95	570.57	584.59	608.08	594.59	583.62	572.35	605.17	601.34	610.05	611.97
Primary metal industries	637.94	606.94	606.94	609.44	644.36	642.21	655.77	624.07	622.22	653.17	662.06	667.92	660.74
Blast furnace and basic steel products	625.18	604.78	660.78	654.24	603.37	618.77	627.91	629.29	604.34	610.16	619.70	619.22	643.57
Fabricated metal products	563.98	542.75	540.47	548.70	572.72	586.94	590.92	542.05	538.97	555.03	588.67	597.18	562.59
Machinery, except electrical	488.92	505.61	486.49	485.06	475.80	473.47	464.84	484.36	480.36	503.86	498.67	495.22	512.11
Electric and electronic equipment	454.92	462.87	451.67	451.36	450.55	446.93	453.61	454.50	459.79	469.96	457.15	457.06	442.86
Transportation equipment	640.64	627.88	621.78	623.66	612.13	698.40	620.00	654.40	608.86	668.84	622.21	644.12	700.63
Non-durable Goods ^c	416.64	406.36	399.50	409.37	407.55	425.86	441.74	420.25	412.26	425.15	418.40	421.46	406.36
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	553.78	537.77	538.56	542.70	538.16	545.83	540.54	559.71	564.98	563.58	579.96	570.24	559.40
WHOLESALE TRADE	364.10	345.92	351.66	350.41	360.45	362.29	355.89	362.62	367.49	371.84	376.75	376.99	377.06
RETAIL TRADE ^d	176.08	171.03	171.60	172.49	173.09	175.52	178.48	179.98	178.19	175.47	174.89	176.29	184.83

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." ^bIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^cIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. ^dMoney payments only, tips not included. ^eLow due to labor-management disputes during part of pay period. ^fNot comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-1-89 RS-790-2-8 (1988)

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \frac{\text{Total Employment (previous month)} \times \text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark. Employment data for 1988 will be revised at the next benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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CONGRESSIONAL INFO. SERVICE
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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

56270-1
7/12/89
Labor
Market
Review

July 1989

Summary. Ohio's seasonally adjusted unemployment rate fell from 5.6 percent in June to 5.4 percent in July. The U.S. rate was 5.2 percent, down from 5.3 percent in June. Total employment in Ohio, at 5,157,000, declined 26,000 from June. The number of jobless Ohioans dropped 14,000 to 293,000. Seasonally adjusted nonfarm wage and salary employment increased 6,000 from June to 4,791,000. Gains in most nonmanufacturing industries more than offset cutbacks in manufacturing employment. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,101,000 in July, was down 6,000 from June. Declines in transportation equipment and primary metal industries were chiefly responsible for lowering durable-goods employment 5,000 to 741,000. A notable increase did occur in nonelectrical machinery. Employment in nondurable goods fell 1,000 to 359,000, due to losses in rubber and miscellaneous plastics products.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 12,000 from June to 3,691,000 in July. Services and government increased 5,000 each; retail trade was up 2,000. Wholesale trade and finance, insurance, and real estate each added 1,000 jobs. Construction and transportation and public utilities were unchanged from June. A labor-management dispute lowered mining employment 3,000.

Over the Year. The unemployment rate in Ohio was reduced from 5.5 percent in July 1988 to 5.4 percent in July 1989. Nationally, the rate declined from 5.4 percent to 5.2 percent during the same period. Total employment in Ohio rose 153,000 over the year, while total unemployment increased 3,000. Nonfarm payroll employment was up 115,000 from July 1988. Services advanced 48,000 and retail trade gained 33,000. Construction (+14,000) also showed improvement. Slight losses in durable-goods employment were offset by increases in nondurable goods, leaving manufacturing employment unchanged over the year.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries had average weekly earnings of \$514.46 in July, down \$12.78 from June. Their average workweek was reduced .8 hours to 42.1 hours. Nearly all industries had lower earnings in July, although metal forgings and stampings showed a notable gain. The most significant decreases were in motor vehicles and equipment, iron and steel foundries, miscellaneous plastics products, and general industrial machinery.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law in July, at 62,654, were up 38.1 percent from June and up 20.9 percent from July 1988. Total benefits paid fell 13.0 percent from June to \$37.6 million. The average benefit check of

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

\$158.76 was \$.76 higher. The average weekly number of benefit recipients dropped .9 percent from June to 60,480. At the end of June, there were 204,637 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 27,022 new job applicants in July, down 21.9 percent from June and down 29.8 percent from July 1988. The number of job openings received from employers rose 117.6 percent from June to 26,936. The Employment Services Division made 19,261 job referrals and 7,551 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644 2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	July 1989	June 1989	July 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,450	5,490	5,294	-40	156	-0.7	2.9
Employment	5,157	5,183	5,004	-26	153	-0.5	3.1
Unemployment	293	307	290	-14	3	-4.6	1.0
Unemployment Rate	5.4	5.6	5.5				
Employer Survey Data^e							
Total	4,791	4,786	4,676	6	115	0.1	2.5
Manufacturing	1,101	1,107	1,101	-6	0	-0.6	-0.0
Durable Goods	741	746	742	-5	-1	-0.7	-0.1
Nondurable Goods	359	361	359	-1	1	-0.4	0.2
Nonmanufacturing	3,691	3,679	3,575	12	116	0.3	3.2
Mining	17	20	19	-3	-2	-12.8	-11.9
Construction	197	197	182	0	14	-0.1	7.8
Transportation and Public Utilities	214	214	212	0	3	0.1	1.3
Wholesale Trade	262	261	255	1	8	0.4	3.0
Retail Trade	908	906	876	2	33	0.2	3.7
Finance, Insurance, and Real Estate	256	255	250	1	6	0.2	2.3
Services	1,137	1,132	1,089	5	48	0.5	4.4
Government	699	694	692	5	7	0.8	1.0
Goods Producing Industries ^f	1,314	1,323	1,303	-9	12	-0.7	0.9
Service Producing Industries ^g	3,477	3,462	3,373	15	104	0.4	3.1

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers.

^cPercentages are computed from unrounded numbers.

^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

^fIncludes Mining, Construction, and Manufacturing.

^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
5,272	4,895	377	7.2	6.0
5,242	4,877	365	7.0	6.0
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,948	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,294	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,368	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3
5,434	5,138	296	5.4	5.2
5,490	5,183	307	5.6	5.3
5,450	5,157	293	5.4	5.2

Ohio Nonagricultural Wage and Salary Employment (in thousands)

	Total Nonagricultural Employment			
	Manufacturing Employment			
		Durable	Nondurable	
1987				
July	4,576	1,091	732	359
August	4,588	1,098	739	359
September	4,596	1,101	743	358
October	4,617	1,105	745	360
November	4,631	1,106	746	360
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,644	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	360
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,772	1,118	754	364
March	4,777	1,114	751	363
April	4,778	1,110	748	352
May	4,780	1,107	747	360
June	4,786	1,107	746	361
July	4,791	1,101	741	359

Nonmanufacturing Employment (in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,484	20	178	209	248	1987				
3,490	21	176	209	248	July	847	244	1053	685
3,495	20	177	209	249	August	849	245	1055	687
3,512	21	178	209	251	September	850	246	1059	685
3,525	21	180	210	251	October	856	247	1062	688
3,540	21	183	210	252	November	860	247	1067	691
					December	863	248	1073	691
3,533	20	181	210	251	1988				
3,542	20	182	210	251	January	865	247	1068	691
3,557	19	185	211	252	February	868	247	1073	690
3,555	20	183	211	252	March	872	248	1078	692
3,561	19	182	211	253	April	870	249	1079	691
3,569	19	182	211	254	May	871	249	1083	692
3,575	19	182	212	255	June	874	249	1087	692
3,581	20	183	212	256	July	876	250	1089	692
3,589	19	184	212	256	August	878	251	1093	689
3,599	19	184	212	257	September	880	251	1095	691
3,611	19	186	213	258	October	884	252	1097	693
3,622	19	188	213	258	November	887	252	1102	694
					December	889	252	1108	693
3,642	19	196	213	259	1989				
3,654	19	197	213	260	January	896	253	1112	693
3,663	19	197	214	260	February	899	254	1116	696
3,668	19	196	215	261	March	903	254	1120	696
3,672	19	196	214	261	April	902	255	1125	695
3,679	20	197	214	261	May	902	255	1129	696
3,691	17	197	214	262	June	906	255	1132	694
					July	908	256	1137	699

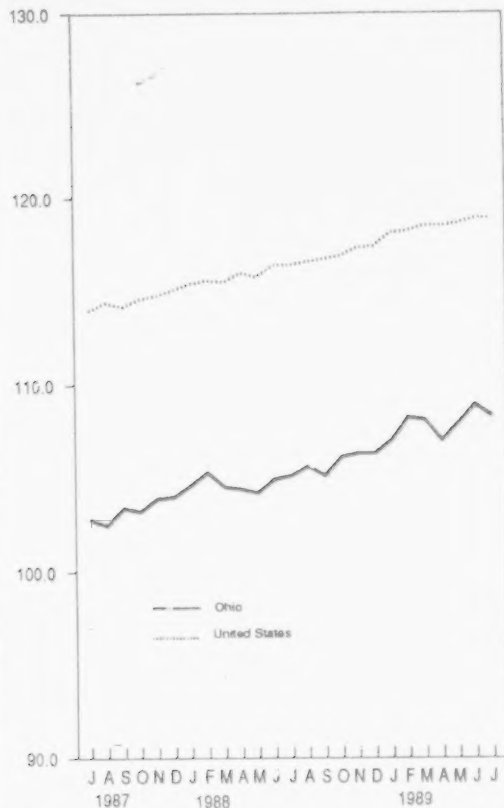
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Labor Market Review.

Indexes of Total Employment

Ohio and U.S.

(Seasonally Adjusted)

Index (1979=100)

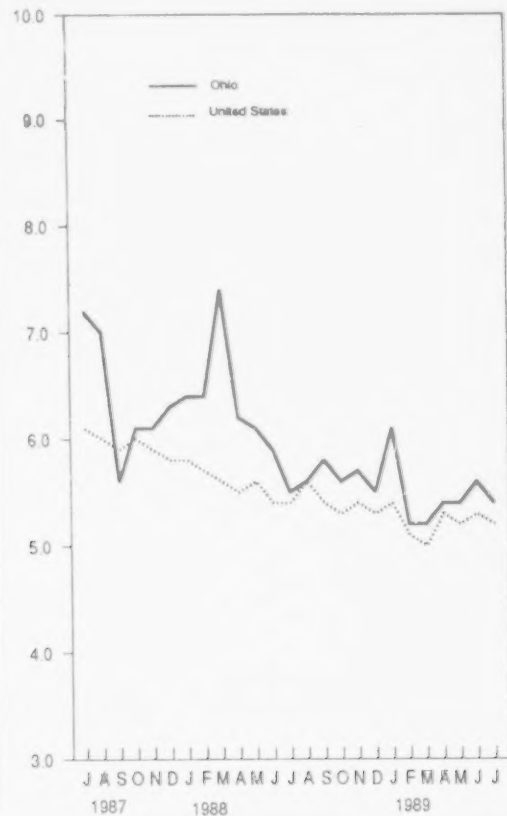


Unemployment Rates

Ohio and U.S.

(Seasonally Adjusted)

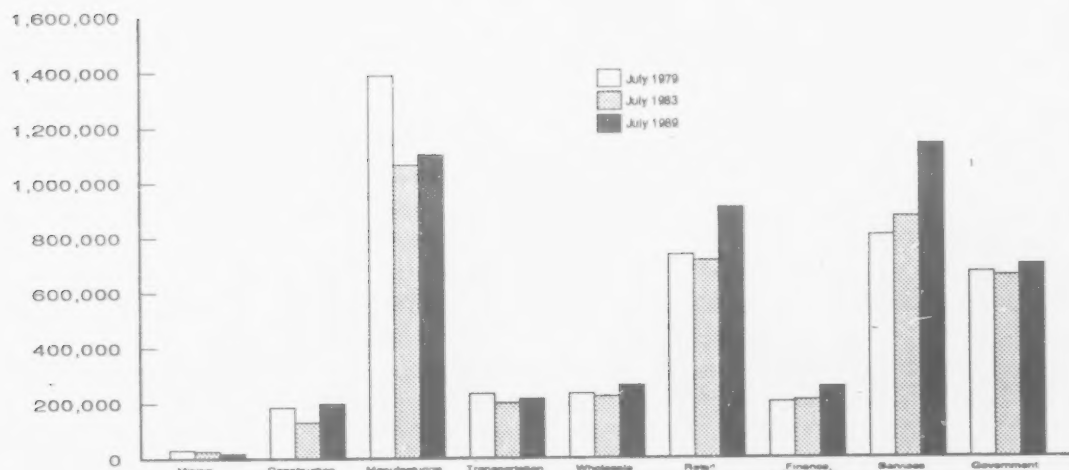
Percent



Employment in Division-Level Industries

(Seasonally Adjusted)

Number



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,479	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
1988				
5,366	5,093	274	5.1	5.5
5,376	5,076	301	5.6	5.4
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
1989				
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6
5,375	5,068	307	5.7	5.2
5,357	5,085	273	5.1	5.1
5,419	5,143	277	5.1	5.0
5,537	5,216	321	5.8	5.5
5,526	5,248	277	5.0	5.3

Ohio Nonagricultural Wage and Salary Employment (in thousands)

Total Nonagricultural Employment			
		Manufacturing Employment	
		Durable	Nondurable
4,394.9	1,377.2	974.5	402.7
4,484.8	1,382.3	980.5	401.8
4,367.4	1,264.3	882.6	381.8
4,317.7	1,232.6	860.4	372.2
4,124.3	1,099.9	752.4	347.5
4,092.5	1,066.0	723.6	342.4
4,260.2	1,127.0	773.4	353.6
4,372.9	1,124.3	768.7	355.5
4,471.4	1,109.8	752.7	357.1
4,582.6	1,098.9	740.4	358.4
4,683.0	1,103.1	743.6	359.6
1988			
4,678.8	1,100.8	741.5	359.4
4,679.1	1,102.1	740.5	361.6
4,731.7	1,110.5	745.6	364.9
4,757.7	1,110.3	747.8	362.5
4,834.7	1,115.7	753.3	362.3
4,781.8	1,115.1	752.5	362.6
1989			
4,669.0	1,112.2	751.4	360.8
4,671.4	1,107.3	747.9	359.4
4,707.6	1,106.9	748.1	358.8
4,761.0	1,107.1	748.4	358.7
4,811.3	1,107.5	748.7	358.8
4,831.8	1,112.5	750.8	361.7
4,795.2	1,100.5	740.4	360.1

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
3,017.7	29.0	176.6	225.0	226.0
3,102.5	31.6	182.9	232.1	232.8
3,103.0	30.7	167.4	223.1	230.6
3,085.1	30.7	153.7	217.2	232.5
3,024.4	30.3	134.6	206.8	226.0
3,026.5	26.6	130.8	198.5	222.5
3,133.1	27.8	144.8	203.9	236.7
3,248.6	26.1	154.0	202.7	243.7
3,361.6	22.6	160.7	203.4	244.3
3,483.7	20.9	176.4	207.8	243.0
3,579.8	19.5	183.6	211.5	254.3
1988				
3,578.0	19.8	199.5	213.4	256.1
3,577.0	19.8	202.5	213.9	256.3
3,621.2	19.8	202.0	214.8	256.5
3,647.4	19.8	203.0	215.0	258.4
3,719.0	19.7	197.4	214.7	258.5
3,666.6	19.5	188.0	215.3	259.1
1989				
3,556.9	18.9	167.0	208.7	256.9
3,564.1	18.6	162.2	208.5	256.9
3,600.8	18.7	170.8	209.7	257.8
3,653.9	19.0	184.7	212.8	259.7
3,703.7	19.2	197.0	214.3	261.3
3,719.4	19.8	206.5	216.0	263.1
3,694.7	17.5	215.1	216.2	263.7

Retail Trade	Finance, Insurance, & Real Estate	Services	Government
730.4	191.1	772.1	667.5
742.4	200.6	806.2	674.0
726.6	203.8	830.9	689.9
717.7	205.8	851.6	676.0
703.4	206.4	857.3	659.6
711.0	207.8	873.3	656.1
748.0	211.5	905.2	655.2
787.9	219.3	949.5	665.2
818.6	232.3	1,001.0	678.9
848.3	243.8	1,051.2	687.3
876.5	249.8	1,087.8	696.8
1988			
881.1	252.8	1,103.1	652.2
886.2	253.3	1,104.7	640.3
888.2	251.8	1,109.8	678.3
891.8	252.1	1,105.1	702.2
906.0	252.1	1,102.1	768.5
921.4	252.4	1,101.0	710.0
1989			
877.0	250.3	1,083.4	694.5
867.2	250.8	1,091.8	708.0
876.3	251.5	1,103.0	712.9
889.8	253.1	1,125.5	709.3
904.2	254.6	1,138.7	714.4
912.5	257.0	1,149.9	694.5
913.8	258.6	1,151.9	657.9

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	766.7	357.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,100.8	741.5	359.4
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,106.9	748.1	358.8
1,107.1	748.4	358.7
1,107.5	748.7	358.8
1,112.5	750.8	361.7
1,100.5	740.4	360.1

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
985.5	\$302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
759.1	391.7	32.6
754.9	379.4	31.9
756.7	382.1	32.1
765.9	399.6	33.2
765.5	400.4	33.1
771.1	410.1	33.7
770.1	411.5	33.7
766.2	404.1	33.1
762.0	400.1	32.8
761.4	400.2	32.7
761.4	397.0	32.5
761.1	397.5	32.5
764.1	402.9	32.8
751.3	386.5	31.6

Production Worker Average Weekly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$306.91	\$316.83	\$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
502.52	521.85	461.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
525.53	549.41	470.50
521.37	542.59	473.71
522.22	543.46	471.86
527.24	546.05	480.48
514.46	532.54	472.37

Production Worker Average Weekly Hours

Manu- facturing	Durable Goods	Nondurable Goods
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
42.3	42.6	41.8
42.4	42.7	41.8
43.3	43.7	42.5
43.3	43.7	42.3
43.7	44.2	42.6
43.8	44.2	42.9
43.2	43.7	42.1
43.0	43.5	41.9
42.9	43.5	41.6
42.7	43.2	41.7
42.7	43.2	41.5
42.9	43.2	42.0
42.1	42.4	41.4

Production Worker Average Hourly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$ 7.29	\$ 7.49	\$ 6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
12.00	12.41	11.03
11.88	12.25	11.04
11.91	12.30	11.01
12.05	12.48	11.05
12.08	12.51	11.06
12.17	12.62	11.09
12.20	12.62	11.18
12.21	12.61	11.22
12.21	12.59	11.28
12.25	12.63	11.31
12.21	12.56	11.36
12.23	12.58	11.37
12.29	12.64	11.44
12.22	12.56	11.41

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

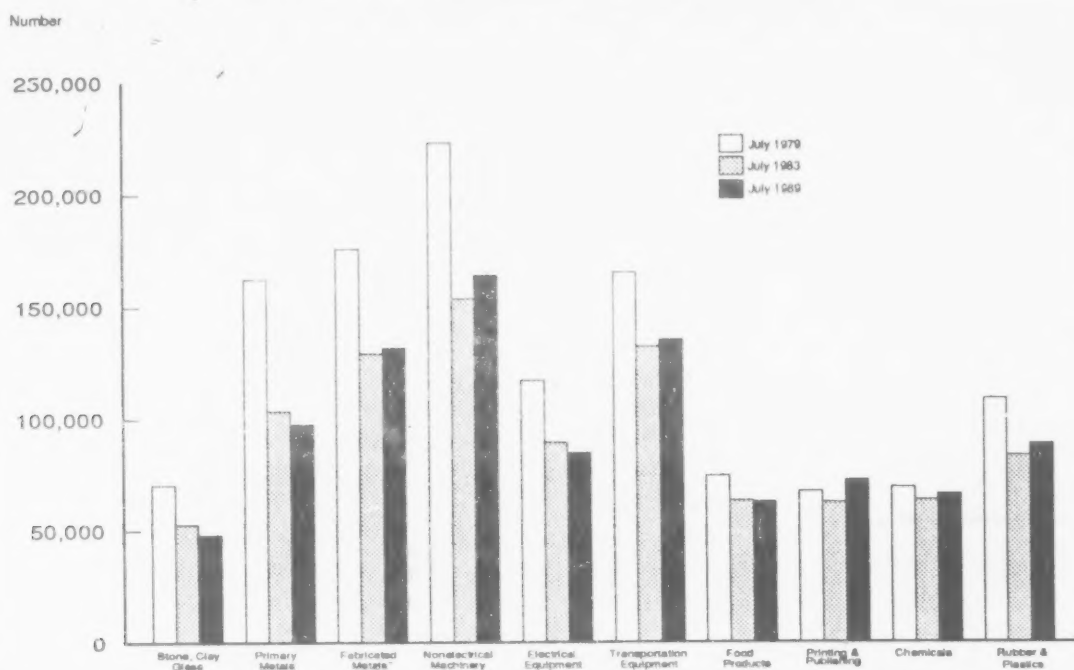
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
Employment (thousands)										
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
48.6	98.5	132.7	1988	158.8	85.4	140.9	1988	62.2	71.3	90.0
48.7	99.1	131.1	July	158.6	86.0	140.5	July	63.7	71.4	90.6
48.3	101.1	133.3	August	159.9	86.0	139.4	August	66.4	71.8	90.9
48.2	100.9	133.5	September	160.4	86.6	140.6	September	63.9	72.0	91.5
48.4	101.6	134.4	October	161.7	86.9	142.6	October	63.4	72.0	91.8
47.8	102.0	134.8	November	162.7	86.8	140.9	November	63.4	72.3	91.5
47.0	101.3	134.9	1989	163.0	86.5	141.6	1989	62.5	71.9	91.3
46.7	100.7	133.6	January	163.1	85.7	141.0	January	61.1	71.8	91.3
47.4	100.2	133.2	February	163.2	85.6	141.0	February	61.1	71.7	90.9
48.0	100.1	133.5	March	163.2	85.4	140.3	March	61.2	71.5	90.7
48.0	100.0	133.6	April	163.4	85.1	140.0	April	61.7	71.8	90.0
48.4	100.0	133.2	May	163.7	85.4	140.6	May	63.0	72.2	90.0
48.0	97.4	131.5	June	164.0	84.6	135.1	June	62.8	72.2	88.4
			July				July			

Average Weekly Earnings of Production Workers

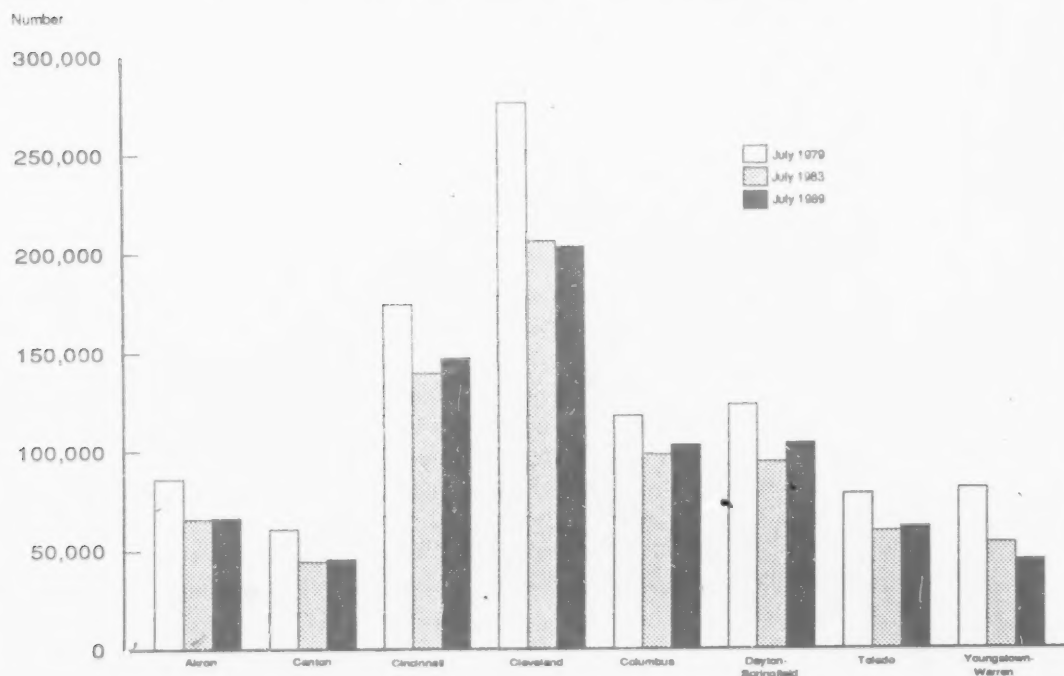
\$274.81	\$366.24	\$307.23	1978	\$306.16	\$268.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
458.53	607.31	498.80	1988	517.65	457.56	639.64	1988	447.30	440.27	434.70
457.69	610.10	500.83	July	508.26	464.80	653.17	July	456.22	445.61	434.84
470.42	632.80	517.97	August	530.64	474.47	698.88	August	446.45	452.63	453.96
468.47	628.60	522.97	September	537.14	470.12	699.79	September	440.37	448.33	454.14
473.90	639.77	531.29	October	545.13	477.99	717.02	October	452.83	449.80	459.46
463.01	636.55	531.73	November	549.70	484.65	721.82	November	456.89	463.65	459.72
462.34	629.95	520.22	1989	551.15	481.38	702.15	1989	441.08	445.02	460.42
463.49	619.89	512.40	January	543.22	470.40	714.48	January	440.18	451.61	451.93
465.38	621.72	511.20	February	545.43	466.34	724.23	February	449.35	454.31	442.68
470.98	624.34	512.48	March	541.11	464.26	683.99	March	455.20	447.70	446.69
464.88	620.64	515.82	April	538.74	462.73	691.75	April	455.10	446.18	453.05
472.01	632.19	507.53	May	536.36	460.37	712.80	May	469.79	447.30	462.03
477.22	612.41	507.36	June	523.08	452.28	691.24	June	459.64	453.46	444.11
			July				July			

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	4795.2	4831.8	4678.8	-36.6	116.4
Manufacturing	1100.5	1112.5	1100.8	-12.0	-3
Durable Goods ^e	740.4	750.8	741.5	-10.3	-1.0
Lumber and wood products	25.1	24.6	22.7	.4	2.3
Furniture and fixtures	14.9	14.9	15.2	.0	-.3
Stone, clay, and glass products	48.0	48.4	48.6	-.4	-.6
Glass and glassware, pressed or blown	8.5	8.7	8.6	-.2	-.1
Primary metal industries	97.4	100.0	98.5	-2.6	-1.1
Blast furnace and basic steel products	45.5	45.3	45.8	.2	-.2
Iron and steel foundries	18.6	20.2	19.4	-1.5	-.8
Nonferrous rolling and drawing	16.3	17.2	16.6	-.9	-.3
Fabricated metal products	131.5	133.2	132.7	-1.7	-1.2
Cutlery, hand tools, and hardware	9.4	9.4	10.1	.0	-.7
Fabricated structural metal products	28.3	28.3	28.1	.0	.2
Metal forgings and stampings	39.2	40.3	41.1	-.1	-.9
Machinery, except electrical	164.0	163.7	158.8	.3	5.3
Construction and related machinery	13.8	13.8	13.6	.0	.2
Metalworking machinery	43.5	43.3	41.5	.2	1.9
Special industry machinery	18.2	18.0	17.5	.2	.8
General industrial machinery	29.1	28.9	28.2	.2	.9
Office and computing machines	12.3	12.3	12.9	.1	-.5
Refrigeration and service machinery	16.5	16.5	16.0	-.1	.5
Electric and electronic equipment	84.6	85.4	85.4	-.8	-.9
Electrical industrial apparatus	17.8	17.8	16.3	.0	1.5
Household appliances	15.3	15.5	16.1	-.2	-.9
Electric lighting and wiring equipment	16.6	16.8	16.9	-.2	-.3
Communication equipment	9.2	9.3	9.5	.0	-.2
Transportation equipment	135.1	140.6	140.9	-5.5	-5.8
Motor vehicles and equipment	89.6	95.5	94.2	-5.9	-4.7
Aircraft and parts	36.6	36.3	38.6	.3	2.0
Instruments and related products	24.6	24.5	24.1	.0	.5
Measuring and controlling devices	13.4	13.3	13.2	.1	.1
Nondurable Goods ^e	360.1	361.7	359.4	-1.6	.7
Food and kindred products	62.8	63.0	62.2	-.3	.6
Meat products	9.0	8.9	8.8	.2	.2
Dairy products	9.6	9.6	9.7	.0	-.1
Preserved fruits and vegetables	11.2	11.8	10.8	-.5	.4
Bakery products	9.6	9.7	9.6	-.1	.0
Beverages	9.2	9.0	9.5	.1	-.3
Apparel and other textile products	15.6	15.8	15.2	-.2	.4
Paper and allied products	37.3	37.0	37.2	.3	.1
Misc. converted paper products	12.2	12.1	11.8	.0	.3
Paperboard containers and boxes	13.2	13.1	13.2	.1	.1
Printing and publishing	72.2	72.2	71.3	.0	.8
Newspapers	18.6	18.8	18.8	-.1	-.2
Commercial printing	28.4	28.4	27.9	.1	.5
Chemicals and allied products	66.1	66.0	65.2	.1	.9
Industrial organic chemicals	8.9	8.9	9.1	.0	-.2
Rubber and misc. plastics products	88.4	90.0	90.0	-1.6	-1.6
Tires and inner tubes	14.4	14.4	14.8	.0	-.4
Miscellaneous plastics products	54.3	55.4	55.2	-1.1	-.9

See footnotes on page 13.

Ohio (continued)

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Nonmanufacturing	3694.7	3719.4	3578.0	-24.7	116.7
Mining	17.5	19.8	19.8	-2.3	-2.4
Bituminous coal and lignite mining	5.4	7.9	8.0	-2.5	-2.6
Oil and gas extraction	6.7	6.6	6.8	.1	-.1
Construction	215.1	206.5	199.5	8.6	15.6
General building contractors	53.9	51.9	50.8	2.0	3.1
Heavy construction contractors	28.8	27.4	26.8	1.4	2.0
Highway and street construction	11.2	10.5	10.7	.7	.5
Special trade contractors	132.4	127.2	121.9	5.2	10.5
Transportation and Public Utilities	216.2	216.0	213.4	.2	2.8
Railroad transportation	13.2	13.2	13.6	.0	-.4
Transportation, except railroads	114.9	115.0	110.4	-.1	4.5
Trucking and warehousing	77.9	77.5	75.8	.4	2.2
Communication, electric, gas services	88.1	87.8	89.5	-.3	-1.4
Communication	45.8	45.7	47.1	.0	-1.3
Electric, gas, and sanitary services	42.3	42.1	42.4	.2	.0
Wholesale Trade	263.7	263.1	256.1	.6	7.6
Wholesale trade-durable goods	166.8	166.5	162.4	.4	4.4
Motor vehicles & automotive equipment ..	23.3	23.3	22.7	.0	.6
Electrical goods	18.5	18.5	18.5	.1	.1
Machinery, equipment, and supplies	71.2	71.1	69.3	.1	1.9
Wholesale trade-nondurable goods	96.9	96.7	93.7	.2	3.1
Groceries and related products	30.7	30.9	30.1	-.1	.7
Retail Trade	913.8	912.5	881.1	1.3	32.7
General merchandise stores	120.6	120.2	117.6	.4	3.0
Department stores	102.8	102.6	101.1	.2	1.7
Food stores	146.4	145.9	139.2	.5	7.2
Automotive dealers & service stations	99.9	99.5	96.8	.4	3.1
Apparel and accessory stores	45.9	45.8	43.9	.1	2.0
Eating and drinking places	313.3	314.0	307.9	-.6	5.4
Finance, Insurance, and Real Estate	258.6	257.0	252.8	1.6	5.8
Banking	65.6	65.3	64.5	.3	1.2
Credit agencies other than banks	38.8	38.7	38.7	.2	.1
Insurance carriers	70.9	70.6	69.8	.2	1.0
Life insurance	26.0	26.2	25.7	-.2	.4
Fire, marine, and casualty insurance	31.6	31.2	31.3	.4	.3
Services	1151.9	1149.9	1103.1	2.0	48.9
Hotels and other lodging places	40.0	39.4	38.3	.6	1.7
Personal services	58.1	58.3	56.1	-.2	2.0
Laundry, cleaning, & garment services ..	19.4	19.4	18.8	.0	.6
Business services	243.6	239.3	226.0	4.3	17.6
Services to buildings	33.6	33.2	32.2	.3	1.4
Computer and data processing services ..	23.9	23.3	21.9	.6	2.0
Amusement and recreation services	55.3	54.3	55.3	1.0	.0
Health services	384.6	382.0	372.5	2.6	12.1
Nursing and personal care facilities	84.4	84.1	81.9	.3	2.5
Hospitals	187.6	186.4	183.3	1.3	4.3
Educational services	52.2	59.3	49.9	-7.2	2.2
Colleges and universities	26.2	30.2	24.7	-3.9	1.5
Government	657.9	694.5	652.2	-36.6	5.8
Federal government	96.4	96.4	94.5	.1	1.9
State government	142.8	154.4	139.8	-11.7	3.0
State government education	65.7	78.1	63.2	-12.3	2.5
State government, except education	77.0	76.4	76.6	.7	.5
Local government	418.8	443.8	417.9	-25.0	.9
Local government education	220.7	249.8	223.8	-29.1	-3.0
Local government, except education	198.0	194.0	194.1	4.0	3.9

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$514.46	\$527.24	\$502.52	42.1	42.9	42.3	\$12.22	\$12.29	\$11.88
Durable Goods ^d	532.54	546.05	521.85	42.4	43.2	42.6	12.56	12.64	12.25
Lumber and wood products	329.65	341.55	319.90	40.3	41.5	41.6	8.18	8.23	7.69
Furniture and fixtures	369.44	386.90	367.43	40.2	42.1	41.1	9.19	9.19	8.94
Stone, clay, and glass products	477.22	472.01	458.53	42.8	42.6	42.3	11.15	11.08	10.84
Glass and glassware, pressed or blown	506.60	495.40	495.85	42.5	41.7	42.2	11.92	11.88	11.75
Primary metal industries	612.41	632.19	607.31	43.9	44.9	44.2	13.95	14.08	13.74
Blast furnace and basic steel products	653.31	661.81	648.99	45.4	45.8	45.8	14.39	14.45	14.17
Iron and steel foundries	587.85	644.36	590.44	42.2	44.5	42.6	13.93	14.48	13.86
Nonferrous rolling and drawing	650.62	655.23	615.94	41.6	42.3	41.2	15.64	15.49	14.95
Fabricated metal products	507.36	507.53	498.80	42.0	42.4	42.2	12.08	11.97	11.82
Cutlery, hand tools, and hardware	507.91	506.72	472.80	40.6	40.7	40.0	12.51	12.45	11.82
Fabricated structural metal products	459.85	456.60	458.15	42.5	42.2	42.5	10.82	10.82	10.78
Metal forgings and stampings	633.63	618.30	608.14	42.9	42.7	43.1	14.77	14.49	14.11
Machinery, except electrical	523.08	536.36	517.65	42.7	43.5	43.5	12.25	12.33	11.90
Construction and related machinery	427.79	453.47	429.70	39.5	41.3	41.8	10.83	10.98	10.28
Metalworking machinery	510.85	521.54	505.79	43.7	44.5	44.8	11.69	11.72	11.29
Special industry machinery	510.95	522.90	523.22	44.2	45.0	45.3	11.56	11.62	11.55
General industrial machinery	543.54	568.94	524.06	42.2	43.9	42.4	12.88	12.96	12.36
Office and computing machines	465.37	463.29	460.08	41.7	41.7	42.6	11.16	11.11	10.80
Refrigeration and service machinery	572.35	595.78	591.16	41.9	42.8	42.9	13.66	13.92	13.78
Electric and electronic equipment	452.28	460.37	457.56	40.6	41.4	41.0	11.14	11.12	11.16
Electrical industrial apparatus	451.94	467.64	464.58	41.5	43.3	42.7	10.89	10.80	10.88
Household appliances	498.98	500.61	474.38	40.9	41.0	40.1	12.20	12.21	11.83
Electric lighting and wiring equipment	435.44	461.50	458.61	38.5	40.2	40.3	11.31	11.48	11.38
Communication equipment	509.83	476.69	482.86	42.1	40.5	41.2	12.11	11.77	11.72
Transportation equipment	691.24	712.80	639.64	44.0	45.0	42.9	15.71	15.84	14.91
Motor vehicles and equipment	716.48	741.38	658.94	44.2	45.4	42.9	16.21	16.33	15.36
Aircraft and parts	650.46	647.35	601.34	44.4	44.4	43.2	14.65	14.58	13.92
Instruments and related products	376.11	377.88	370.40	39.8	40.2	40.0	9.45	9.40	9.26
Measuring and controlling devices	370.36	373.07	359.21	38.3	38.7	38.5	9.67	9.64	9.33
Nondurable Goods ^e	472.37	480.48	461.47	41.4	42.0	41.8	11.41	11.44	11.04
Food and kindred products	459.64	469.79	447.30	41.9	42.4	42.0	10.97	11.08	10.65
Meat products	361.49	366.53	374.67	40.3	40.5	41.4	8.97	9.05	9.05
Dairy products	466.28	476.10	465.21	42.7	43.4	43.6	10.92	10.97	10.67
Preserved fruits and vegetables	483.48	492.47	459.95	41.5	42.2	41.4	11.65	11.67	11.11
Bakery products	469.13	485.60	467.25	38.9	40.0	39.8	12.06	12.14	11.74
Beverages	444.79	461.18	470.24	42.2	42.9	43.3	10.54	10.75	10.86
Apparel and other textile products	290.25	293.74	292.79	37.5	38.0	39.3	7.74	7.73	7.45
Paper and allied products	490.48	494.33	496.13	43.1	43.4	44.1	11.38	11.39	11.25
Misc. converted paper products	434.42	439.38	464.27	42.3	42.7	44.9	10.27	10.29	10.34
Paperboard containers and boxes	420.51	430.61	428.66	41.8	42.3	42.4	10.06	10.18	10.11
Printing and publishing	453.46	447.30	440.27	39.5	39.1	39.1	11.48	11.44	11.26
Newspapers	372.19	371.18	371.07	33.5	33.5	34.2	11.11	11.08	10.85
Commercial printing	449.90	451.95	432.12	40.9	40.9	39.9	11.00	11.05	10.83
Chemicals and allied products	573.50	586.95	554.65	42.2	43.0	42.6	13.59	13.65	13.02
Industrial inorganic chemicals	586.87	612.32	567.74	42.9	44.5	42.4	13.68	13.76	13.39
Rubber and misc. plastics products	444.11	462.03	434.70	41.7	43.1	42.0	10.65	10.72	10.35
Tires and inner tubes	711.02	730.79	675.19	46.2	47.3	45.9	15.39	15.45	14.71
Miscellaneous plastics products	424.15	445.55	413.17	41.1	42.8	41.4	10.32	10.41	9.98

See footnotes on page 13.

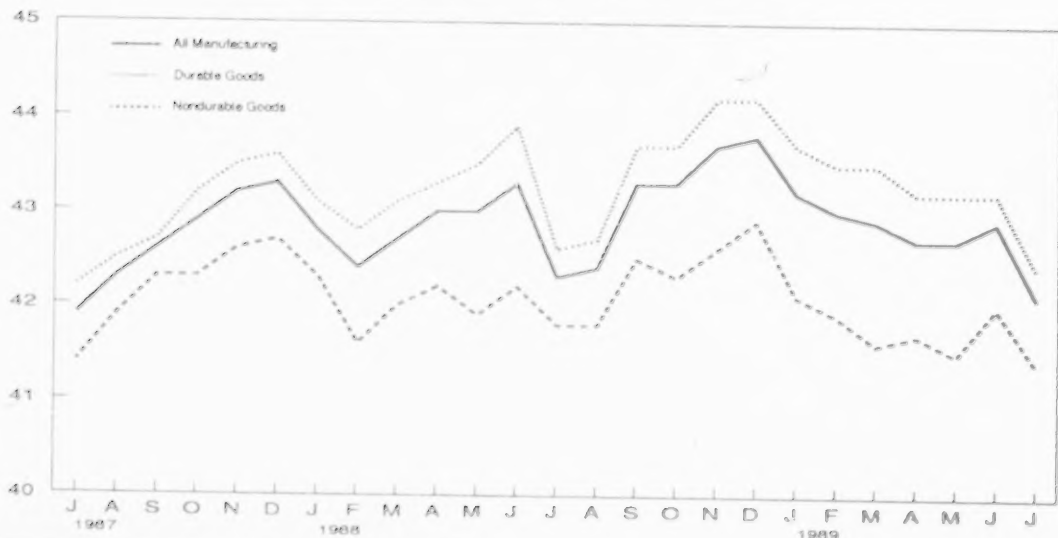
Ohio (continued)

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

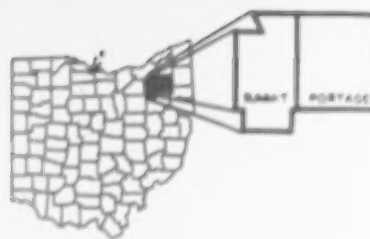
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Mining	\$547.99	\$576.32	\$536.21	44.3	43.3	43.0	\$12.37	\$13.31	\$12.47
Bituminous coal and lignite mining	686.38	701.36	630.59	42.5	42.2	40.5	16.15	16.62	15.57
Construction	626.18	581.78	600.40	40.9	38.0	40.0	15.31	15.31	15.01
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	599.87	592.02	573.09	41.6	41.4	41.2	14.42	14.30	13.91
Communication	575.81	572.36	547.56	41.1	41.0	40.5	14.01	13.96	13.52
Electric, gas, and sanitary services	626.03	613.21	604.14	42.1	41.8	42.1	14.87	14.67	14.35
Wholesale Trade	409.76	402.48	391.78	39.4	39.0	39.1	10.40	10.32	10.02
Wholesale trade-durable goods	396.63	391.72	385.34	39.0	38.9	39.2	10.17	10.07	9.83
Wholesale trade-nondurable goods	431.60	421.69	403.26	40.0	39.3	39.0	10.79	10.73	10.34
Retail Trade ^h	177.24	174.24	169.94	29.2	28.8	29.3	6.07	6.05	5.80
General merchandise stores	166.06	183.28	182.65	29.3	29.0	28.9	6.35	6.32	6.32
Department stores	191.16	188.69	187.05	29.5	29.3	29.0	6.48	6.44	6.45
Finance, Insurance, and Real Estate .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	271.21	268.24	268.94	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	278.53	280.27	274.43	.....	.....	.....	.....	.....	.....
Insurance carriers	388.90	390.05	371.48	.....	.....	.....	.....	.....	.....
Services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	354.14	351.43	343.73	32.7	32.6	33.6	10.83	10.78	10.23

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

**Average Weekly Hours of Production Workers
in Ohio Manufacturing Industries**



AKRON PRIMARY METROPOLITAN STATISTICAL AREA



In the Akron metropolitan area, nonfarm wage and salary employment declined 900 from the June level to 278,900 in July 1989. Nonmanufacturing employment decreased 1,000. Seasonal layoffs of nonteaching personnel in local schools and less business in retail trade negated modest gains in construction and services. Scattered increases among producers of nondurable goods raised manufacturing employment 200 over the month to 66,400. Factory production workers averaged \$11.33 per hour, down \$.05 from June. Their average workweek of 42.1 hours was .2 hours shorter.

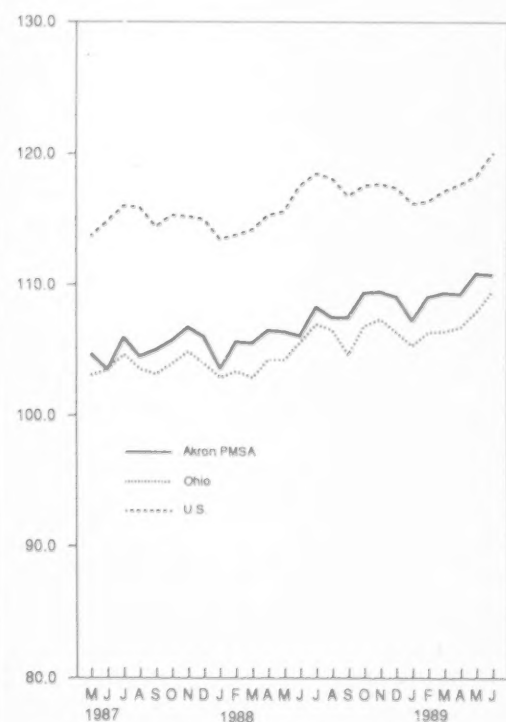
Nonagricultural payroll employment advanced 8,300 between July 1988 and July 1989. The leading growth sectors were services, especially business services, and retail trade. Moderate improvements were also noted in construction and wholesale trade. Manufacturing employment was 300 higher over the year as expansion in nondurable-goods industries, particularly rubber and miscellaneous plastics products, more than offset a decline in fabricated metal products.

Indexes of Total Employment

Akron PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

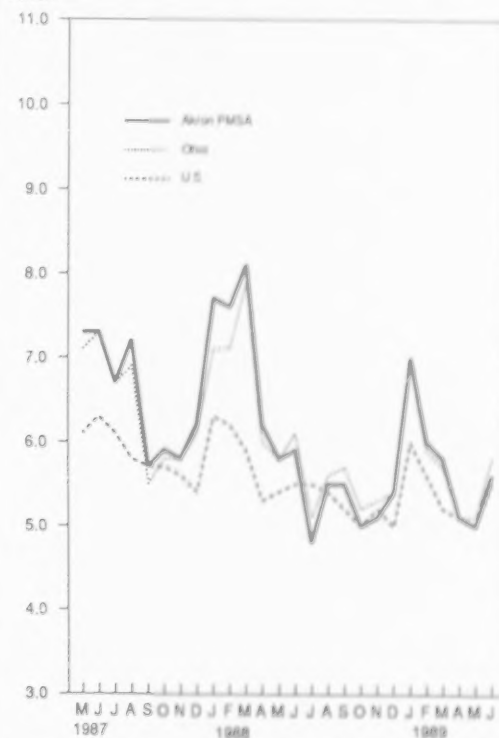


Unemployment Rates

Akron PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

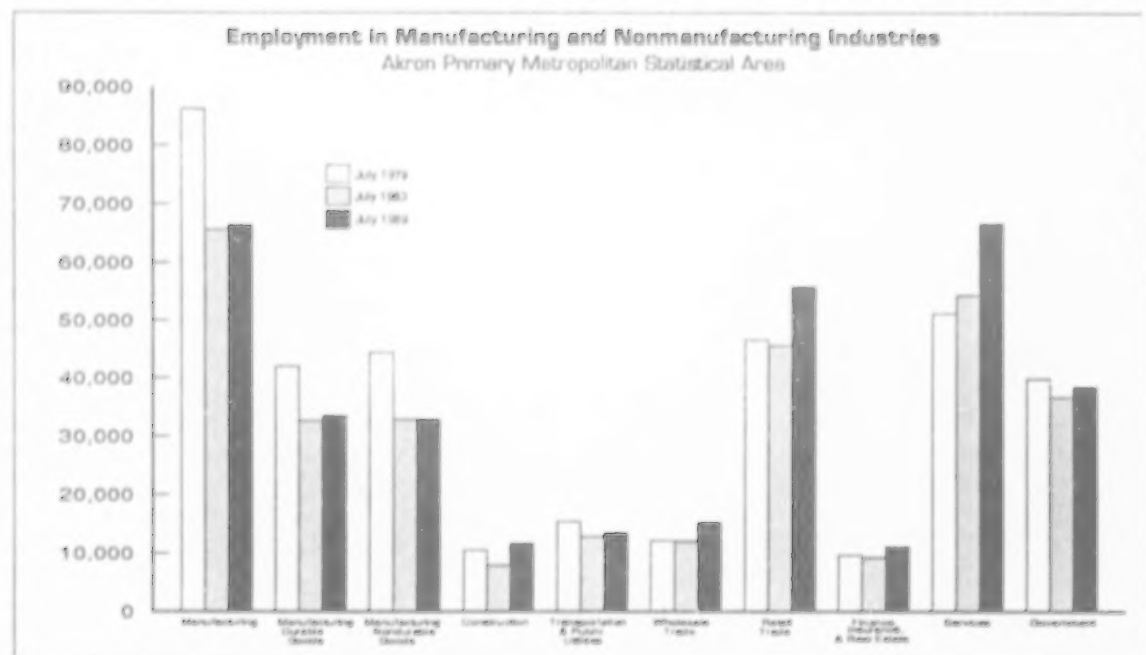
Percent



Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment		Manufacturing Production Workers		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	\$304.14	42.3	\$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.5	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
322.0	302.9	19.1	5.9	June	270.4	66.4	38.0	518.62	44.1	11.76
324.5	309.1	15.5	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	278.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.5	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.0	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	May	283.1	65.0	38.8	488.62	42.6	11.47
335.0	316.3	18.7	5.6	June	279.7	66.2	38.9	477.14	42.3	11.28
INA	INA	INA	INA	July	278.9	66.4	38.9	476.99	42.1	11.33

INA - information not available



**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	278.9	279.8	270.6	-.9	8.3
Manufacturing	66.4	66.2	66.0	.2	.3
Durable Goods ^e	33.5	33.5	34.1	.0	-.5
Fabricated metal products	10.8	10.8	11.1	.0	-.4
Machinery, except electrical	9.5	9.5	9.5	.0	.1
Metalworking machinery	3.5	3.5	3.3	.0	.1
Nondurable Goods ^f	32.9	32.7	32.0	.2	.9
Food and kindred products	3.0	3.0	3.0	.0	.0
Chemicals and allied products	3.6	3.5	3.6	.0	.0
Rubber and misc. plastics products	19.5	19.5	19.1	.0	.3
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing ^g	212.5	213.6	204.6	-1.0	8.0
Construction	11.5	11.0	10.7	.5	.8
Transportation and Public Utilities	13.3	13.2	13.1	.1	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	15.1	15.1	14.5	.0	.6
Retail Trade	55.8	56.1	53.5	-.3	2.4
General merchandise stores	6.5	6.5	6.5	.0	.0
Finance, Insurance, and Real Estate	11.0	10.9	10.9	.1	.1
Banking	3.2	3.2	3.2	.0	.0
Services	66.6	66.3	63.2	.3	3.4
Business services	14.8	14.5	13.3	.3	1.5
Amusement and recreation services	4.8	4.7	4.2	.2	.6
Health services	20.5	20.5	20.1	.1	.4
Government	38.4	40.1	38.1	-1.7	.3
State government	11.6	11.8	11.0	-.2	.6
State government education ^h	8.6	8.8	7.9	-.2	.7
State government, except education	3.0	3.0	3.1	.0	-.1
Local government	24.2	25.1	24.7	-1.6	-.5
Local government education	12.2	13.8	12.7	-1.6	-.6
Local government, except education	12.0	12.0	12.0	.0	.1

Akron PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$476.99	\$477.14	\$493.93	42.1	42.3	43.1	\$11.33	\$11.28	\$11.46
Durable Goods ^d	486.36	487.72	496.72	42.0	42.3	42.6	11.58	11.53	11.66
Fabricated metal products	576.85	581.02	589.36	41.5	41.8	42.4	13.90	13.90	13.90
Machinery, except electrical	464.87	465.47	471.05	44.4	44.5	45.6	10.47	10.46	10.33
Metalworking machinery	488.17	489.86	500.81	44.5	44.9	46.5	10.97	10.91	10.77
Nondurable Goods ^e	465.30	462.51	489.68	42.3	42.2	43.8	11.00	10.96	11.18
Food and kindred products	412.98	405.59	459.36	42.4	41.9	43.5	9.74	9.68	10.56
Chemicals and allied products	481.11	486.71	508.08	40.6	40.9	43.5	11.85	11.90	11.68
Rubber and misc. plastics products	489.72	494.06	510.27	43.3	43.8	44.8	11.31	11.28	11.39
Tires and inner tubes	873.31	871.74	824.24	52.2	52.2	51.1	16.73	16.70	16.13
Transportation and Public Utilities .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	598.43	595.33	576.22	41.5	41.4	41.1	14.42	14.38	14.02
Wholesale Trade	371.26	355.20	352.12	38.0	37.0	37.7	9.77	9.60	9.34
Retail Trade ^h	216.15	212.98	200.23	33.0	32.5	32.4	6.55	6.55	6.18

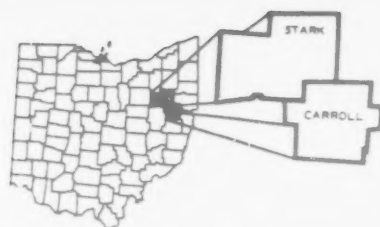
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	July 1999	June 1989	July 1988
Employment Service Program			
New Applicants	1,275	2,593	2,245
Active File of Job Seekers	14,878	13,929	17,305
Referrals to Jobs	577	1,910	1,972
Placements	337	967	533
Job Openings Received	2,107	1,685	1,379
Job Openings Unfilled	1,501	1,805	2,494
Unemployment Insurance Program			
Initial Claims	3,084	1,914	2,822
Continued Claims	17,690	17,351	19,341
First Payments	970	843	878
Last Payments	384	483	314
Weeks Compensated	13,693	16,954	13,327
Benefits Paid	\$2,255,929	\$2,568,906	\$1,923,566
Average Weekly Payment	\$157.89	\$157.94	\$147.96

CANTON METROPOLITAN STATISTICAL AREA



Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

Nonagricultural payroll employment in the Canton metropolitan area decreased 300 from June to 165,300 in July 1989. Reductions in primary metal industries and fabricated metal products helped lower the manufacturing workforce 500 over the month to 45,400. Nonmanufacturing employment increased 100 as scattered improvements more than offset the seasonal loss of nonteaching personnel in local schools. Factory production workers averaged \$11.87 per hour, up fractionally from June. Their average workweek of 41.8 hours was .4 hours shorter.

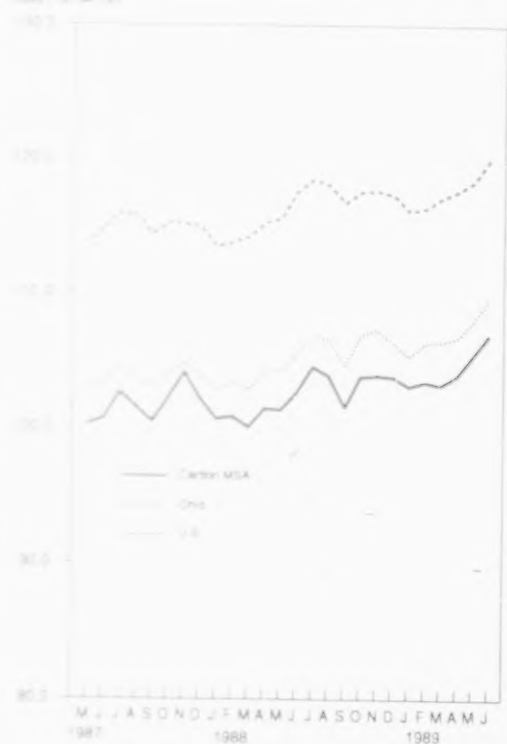
Total nonfarm wage and salary employment advanced 4,800 between July 1988 and July 1989. The gain was concentrated in the nonmanufacturing sector. Primary areas of expansion were services and retail trade. Notable improvement also occurred in construction. Manufacturing employment rose 200 during the period with marginal growth in both durable- and nondurable-goods industries. Employment in fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products declined.

Indexes of Total Employment

Canton MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index: 1975=100

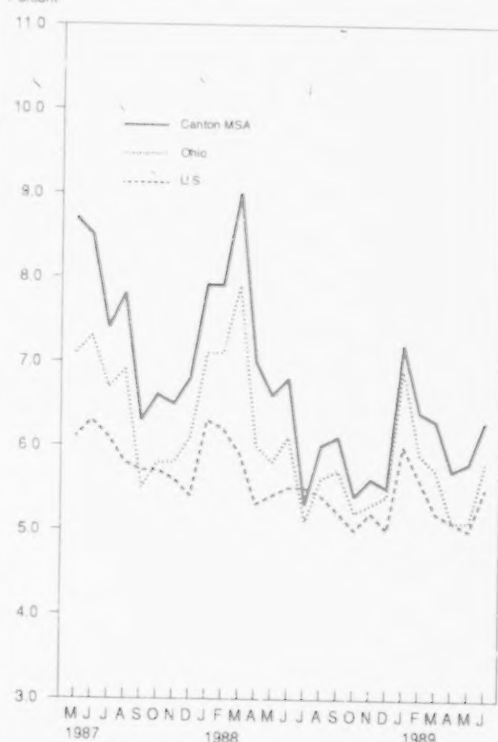


Unemployment Rates

Canton MSA, Ohio and U.S.

(Not Seasonally Adjusted)

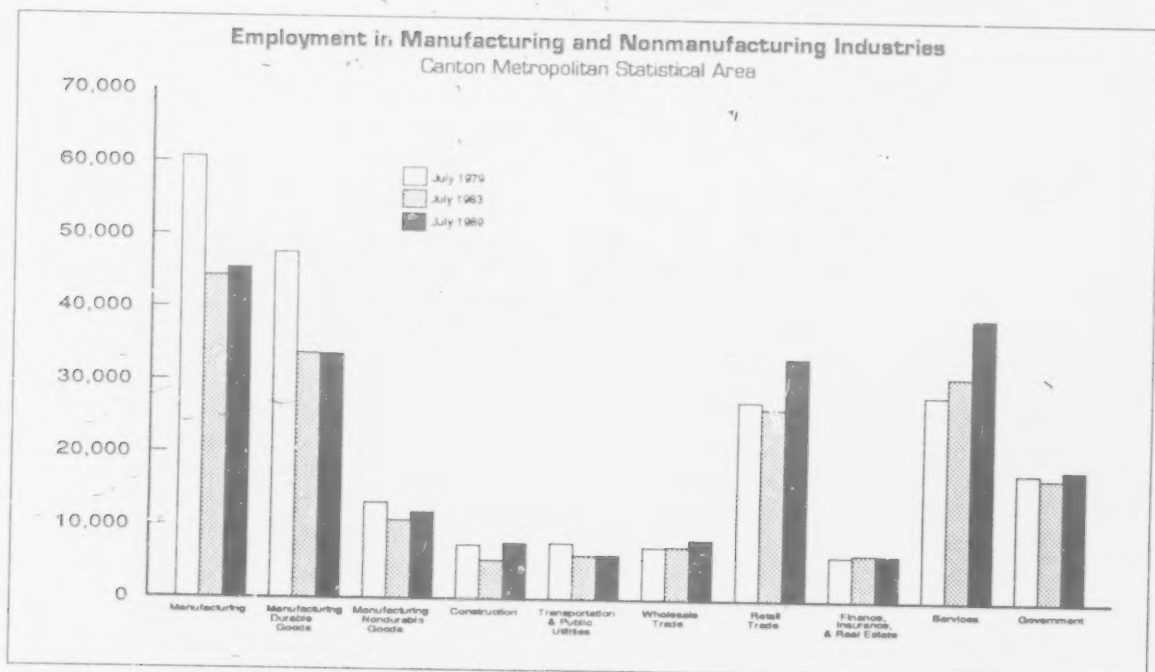
Percent



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed					Manufacturing Employment		Manufacturing Production Workers		
		Total	Rate								
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	\$304.67	40.3	\$ 7.56	
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09	
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79	
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76	
191.4	154.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22	
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66	
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83	
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95	
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21	
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34	
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41	
				1988							
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35	
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25	
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27	
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44	
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51	
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44	
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61	
				1989							
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61	
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52	
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75	
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76	
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81	
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86	
INA	INA	INA	INA	July	165.3	45.4	32.6	496.17	41.8	11.87	

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	165.3	165.7	160.6	-.3	4.8
Manufacturing	45.4	45.9	45.2	-.5	.2
Durable Goods ^e	33.5	34.0	33.4	-.5	.1
Primary metal industries	11.3	11.5	11.3	-.3	-.1
Fabricated metal products	6.5	6.6	6.7	-.1	-.2
Metal forgings and stampings	2.3	2.3	2.1	.0	.2
Nondurable Goods ^f	11.9	11.9	11.8	.0	.1
Food and kindred products	3.4	3.4	3.3	.0	.1
Rubber and misc. plastics products	2.9	2.9	2.9	.0	-.1
Nonmanufacturing^g	120.0	119.8	115.4	.1	4.6
Construction	7.7	7.3	6.9	.3	.7
Transportation and Public Utilities	6.1	6.2	5.9	.0	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.2	8.2	8.0	.1	.2
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
Retail Trade	33.4	33.4	31.8	-.1	1.5
General merchandise stores	4.0	4.0	3.9	.0	.1
Food stores	5.7	5.7	5.3	.0	.4
Finance, Insurance, and Real Estate	6.4	6.4	6.5	.0	-.2
Banking	1.8	1.8	1.8	.0	.0
Services	39.0	38.9	37.2	.1	1.8
Health services	15.5	15.5	15.2	.0	.2
Government	18.2	18.6	18.0	-.3	.2
State government (includes education)	1.6	1.6	1.7	.0	-.1
Local government	15.2	15.6	14.8	-.3	.4
Local government education	8.6	9.1	8.4	-.5	.2
Local government, except education	6.6	6.4	6.4	.2	.3

Hours and Earnings of Production or Nonsupervisory Workers^a

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$496.17	\$500.49	\$475.88	41.8	42.2	42.3	\$11.87	\$11.86	\$11.25
Durable Goods ^e	529.91	535.19	499.79	42.7	43.3	42.9	12.41	12.36	11.65
Primary metal industries	611.55	617.28	593.03	45.0	46.1	45.9	13.59	13.39	12.92
Fabricated metal products	480.36	473.93	439.42	40.4	40.3	40.8	11.89	11.76	10.77
Metal forgings and stampings	569.38	566.36	565.56	41.2	41.1	40.6	13.82	13.78	13.93
Nondurable Goods ^f	392.73	396.08	402.98	39.0	39.1	40.5	10.07	10.13	9.95
Food and kindred products	404.52	400.60	399.29	37.7	37.3	38.1	10.73	10.74	10.48
Rubber and misc. plastics products	402.55	404.21	407.13	41.5	41.5	41.0	9.70	9.74	9.93
Transportation and Public Utilities									
Communication, electric, gas services	588.55	580.97	558.55	41.1	41.0	40.8	14.32	14.17	13.69
Wholesale Trade	388.08	380.62	384.00	38.5	38.1	37.5	10.08	9.99	10.24
Retail Trade ^h	167.61	165.29	165.13	28.7	28.4	29.7	5.84	5.82	5.56

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

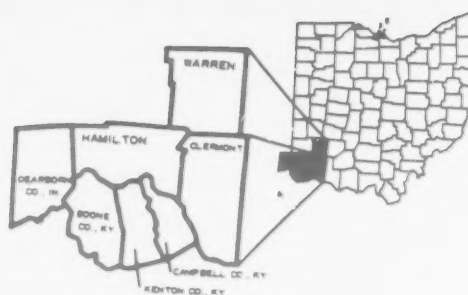
Employment Service Program

	July 1989	June 1989	July 1988
New Applicants	734	1,082	1,956
Active File of Job Seekers	10,667	9,908	12,656
Referrals to Jobs	427	481	1,958
Placements	65	61	273
Job Openings Received	448	249	1,191
Job Openings Unfilled	349	327	2,135

Unemployment Insurance Program

	July 1989	June 1989	July 1988
Initial Claims	2,881	2,015	1,651
Continued Claims	13,450	11,952	11,107
First Payments	970	743	554
Last Payments	211	221	217
Weeks Compensated	10,208	11,698	8,304
Benefits Paid	\$1,522,318	\$1,740,656	\$1,121,256
Average Weekly Payment	\$159.86	\$155.02	\$139.58

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Cincinnati metropolitan area decreased 1,500 from June to 733,300 in July 1989. Seasonal layoffs of nonteaching personnel in state and local schools and colleges outweighed expansion in construction, services, especially business services, and retail trade. Manufacturing employment declined 200 over the month to 147,200. Reductions in electric and electronic equipment, transportation equipment, apparel and other textile products, and paper and allied products negated gains in nonelectrical machinery and chemicals and allied products. Factory production workers averaged \$11.40 per hour, down \$.11 from June. Their average workweek of 42.4 hours was .7 hours shorter.

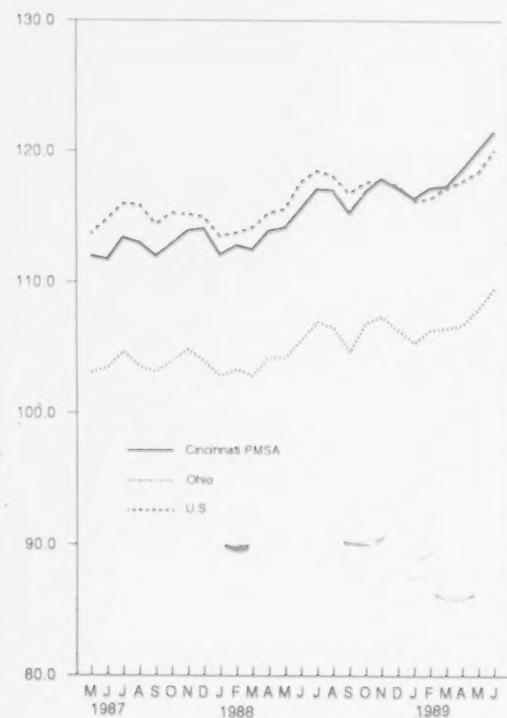
Nonagricultural payroll employment advanced 31,500 between July 1988 and July 1989. Significant growth occurred in services, primarily business and health services, and in retail trade. Marked improvements were also noted in construction and transportation and public utilities. The manufacturing workforce added 3,000 jobs during the period with noteworthy expansion in nonelectrical machinery, food and kindred products, electric and electronic equipment, and printing and publishing. Employment in transportation equipment declined.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

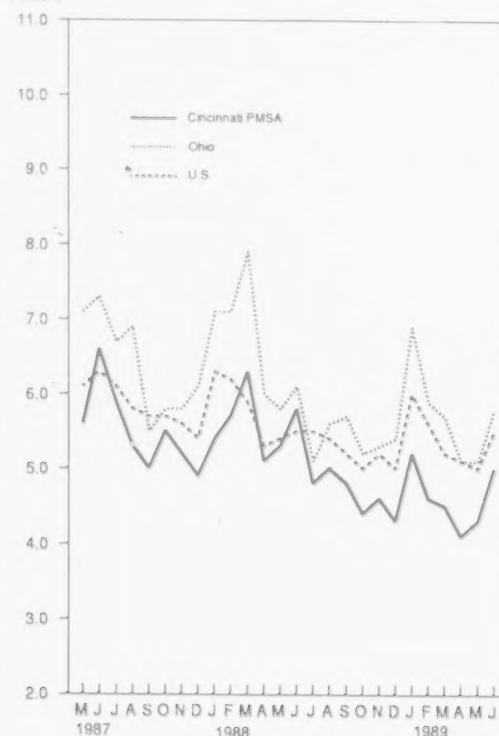


Unemployment Rates

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

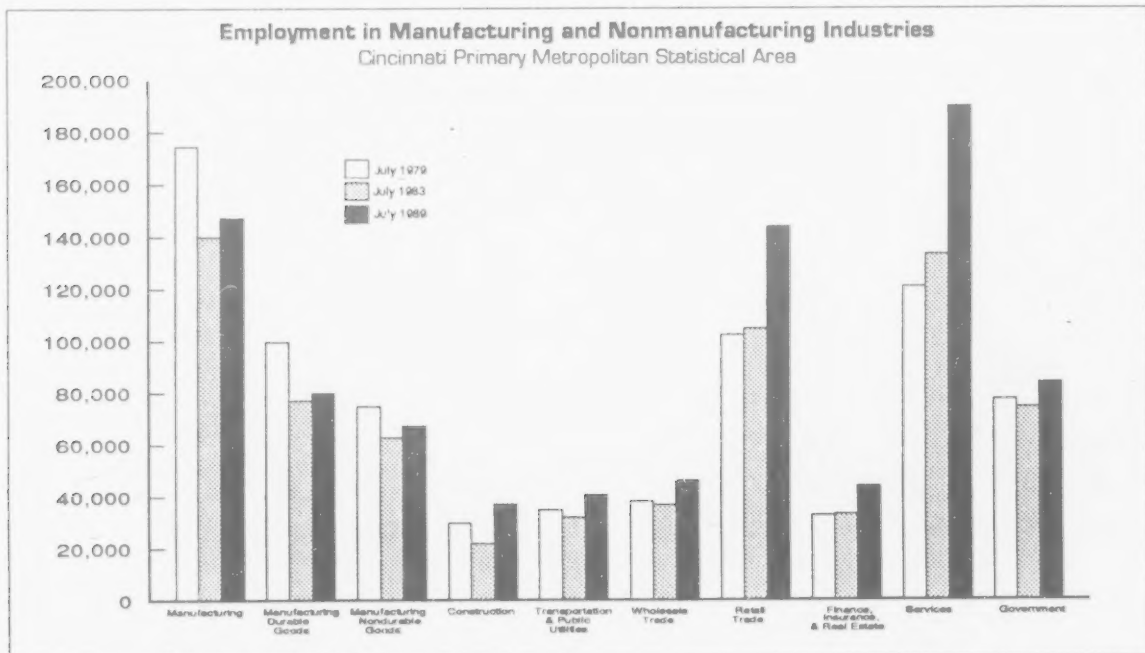
Percent



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	May	730.7	146.5	92.4	483.65	42.5	11.38
803.1	763.3	39.8	5.0	June	734.8	147.4	92.9	496.08	43.1	11.51
INA	INA	INA	INA	July	733.3	147.2	92.7	483.36	42.4	11.40

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	733.3	734.8	701.8	-1.5	31.5
Manufacturing	147.2	147.4	144.3	-2	3.0
Durable Goods ^e	80.0	80.0	78.4	.0	1.6
Fabricated metal products	10.8	10.8	10.6	.0	.2
Fabricated structural metal products	3.7	3.6	3.7	.0	.0
Machinery, except electrical	21.7	21.7	20.6	.1	1.1
Metalworking machinery	8.9	8.9	8.8	.0	.1
General industrial machinery	3.1	3.1	3.0	.0	.1
Electric and electronic equipment	9.0	9.1	8.6	-.1	.4
Transportation equipment	23.4	23.5	24.2	-.1	-.8
Motor vehicles and equipment	4.5	4.9	4.9	-.4	-.4
Nondurable Goods ^f	67.2	67.4	65.9	-.1	1.4
Food and kindred products	13.2	13.2	12.5	.0	.7
Beverages	3.5	3.5	3.6	.0	-.1
Apparel and other textile products	3.5	3.6	3.4	-.1	.0
Paper and allied products	6.1	6.2	5.9	-.1	.3
Printing and publishing	13.4	13.4	13.1	.0	.4
Commercial printing	6.2	6.2	6.0	.0	.3
Chemicals and allied products	22.9	22.8	22.7	.1	.2
Rubber and misc. plastics products	6.0	6.1	5.9	.0	.1
Nonmanufacturing^g	586.1	587.4	557.5	-1.3	28.6
Construction	37.0	35.8	33.1	1.2	3.9
Transportation and Public Utilities	40.8	40.8	38.0	.0	2.8
Trucking and warehousing	11.7	11.6	10.7	.1	1.0
Communication, electric, gas services	16.1	16.0	15.5	.1	.6
Wholesale Trade	46.2	46.0	44.6	.2	1.6
Wholesale trade-durable goods	27.1	27.0	26.4	.1	.7
Retail Trade	143.9	142.9	135.9	1.0	8.0
General merchandise stores	20.2	20.1	19.8	.1	.5
Finance, Insurance, and Real Estate	44.0	43.8	42.7	.2	1.3
Banking	9.6	9.6	9.2	.0	.4
Insurance carriers	14.5	14.5	14.5	.0	.0
Services	189.7	188.6	180.3	1.1	9.4
Hotels and other lodging places	8.2	8.1	7.9	.1	.4
Personal services	9.4	9.5	8.8	.0	.6
Business services	47.5	46.5	43.3	1.1	4.3
Amusement and recreation services	12.6	12.3	12.6	.2	.0
Health services	55.7	55.3	54.2	.3	1.5
Hospitals	26.6	26.4	25.8	.2	.8
Government	84.0	89.0	82.4	-4.9	1.6
Federal government	15.2	15.4	14.9	-.2	.3
State government	18.9	20.8	18.3	-1.8	.6
State government education ^h	10.9	12.7	10.4	-1.8	.5
State government, except education	8.1	8.1	7.9	.0	.1
Local government	49.9	52.8	49.2	-2.9	.6
Local government education	25.0	28.5	25.6	-3.5	-.6
Local government, except education	24.9	24.3	23.6	.6	1.2

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$483.36	\$496.08	\$461.76	42.4	43.1	41.6	\$11.40	\$11.51	\$11.10
Durable Goods ^d	464.52	491.89	449.19	42.0	43.3	41.4	11.06	11.36	10.85
Fabricated metal products	413.40	413.98	420.73	41.8	42.2	42.2	9.89	9.81	9.97
Fabricated structural metal products	483.72	465.91	478.67	44.5	43.3	45.2	10.87	10.76	10.59
Machinery, except electrical	434.05	445.79	429.09	42.1	42.7	42.4	10.31	10.44	10.12
Metalworking machinery	492.39	490.62	489.95	44.2	44.2	44.1	11.14	11.10	11.11
General industrial machinery	429.70	447.10	422.67	41.8	42.5	43.8	10.28	10.52	9.65
Electric and electronic equipment	363.29	368.51	329.26	40.5	40.9	38.6	8.97	9.01	8.53
Transportation equipment	696.14	785.08	635.20	43.7	47.9	41.9	15.93	16.39	15.16
Motor vehicles and equipment	700.04	917.22	626.86	40.7	51.5	38.2	17.20	17.81	16.41
Nondurable Goods ^e	502.47	501.38	472.46	42.8	43.0	41.7	11.74	11.66	11.33
Food and kindred products	511.69	530.44	534.26	43.4	44.5	43.9	11.79	11.92	12.17
Beverages	518.71	519.94	525.85	41.2	41.2	41.9	12.59	12.62	12.55
Apparel and other textile products	231.23	232.01	209.15	36.3	37.3	36.5	6.37	6.22	5.73
Paper and allied products	475.00	480.85	422.42	43.9	44.4	41.7	10.82	10.83	10.13
Printing and publishing	475.94	460.29	456.52	41.1	40.2	40.4	11.58	11.45	11.30
Commercial printing	500.09	487.72	492.75	43.0	42.3	43.3	11.63	11.53	11.38
Chemicals and allied products	602.12	593.64	553.92	43.6	43.3	41.9	13.81	13.71	13.22
Rubber and misc. plastics products	427.41	445.18	385.73	44.2	45.8	41.7	9.67	9.72	9.25
Transportation and Public Utilities	590.78	581.60	568.41	41.4	40.9	41.1	14.27	14.22	13.83
Communication, electric, gas services	590.78	581.60	568.41	41.4	40.9	41.1	14.27	14.22	13.83
Wholesale Trade	419.18	422.01	406.42	40.5	40.5	40.4	10.35	10.42	10.06
Retail Trade ^f	172.58	171.99	168.70	29.5	29.2	29.7	5.85	5.89	5.68
Finance, Insurance, and Real Estate	267.79	263.08	265.67						
Banking	267.79	263.08	265.67						

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

Cincinnati PMSA

Employment Service Program

New Applicants
Active File of Job Seekers

Referrals to Jobs
Placements

Job Openings Received
Job Openings Unfilled

Unemployment Insurance Program

Initial Claims
Continued Claims

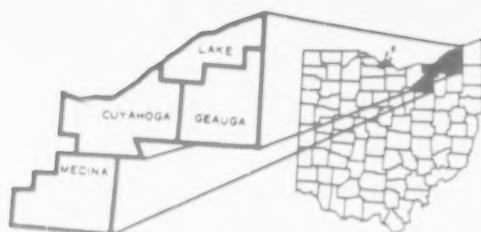
First Payments
Last Payments

Weeks Compensated
Benefits Paid
Average Weekly Payment

	July 1989	June 1989	July 1988
New Applicants	2,072	2,811	2,624
Active File of Job Seekers	17,382	15,746	21,162
Referrals to Jobs	1,255	1,489	1,647
Placements	364	134	271
Job Openings Received	1,743	937	1,474
Job Openings Unfilled	1,554	1,546	2,201
Initial Claims	4,085	3,600	3,197
Continued Claims	28,757	29,318	36,602
First Payments	1,565	1,721	1,708
Last Payments	684	577	705
Weeks Compensated	23,946	27,750	27,886
Benefits Paid	\$3,659,187	\$4,402,231	\$4,232,611
Average Weekly Payment	\$157.04	\$163.02	\$153.70

^a Ohio data only

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



In the Cleveland metropolitan area, nonagricultural payroll employment increased 400 above the June level to 934,900 in July 1989. The nonmanufacturing sector rose 1,400 due to more business in construction, finance, insurance, and real estate, and retail trade. Reductions in food and kindred products, primary metal industries, and transportation equipment lowered manufacturing employment 1,100 over the month to 203,900. Factory production workers averaged \$11.90 per hour, down \$.05 from June. Their average workweek declined 1.1 hours to 42.2 hours.

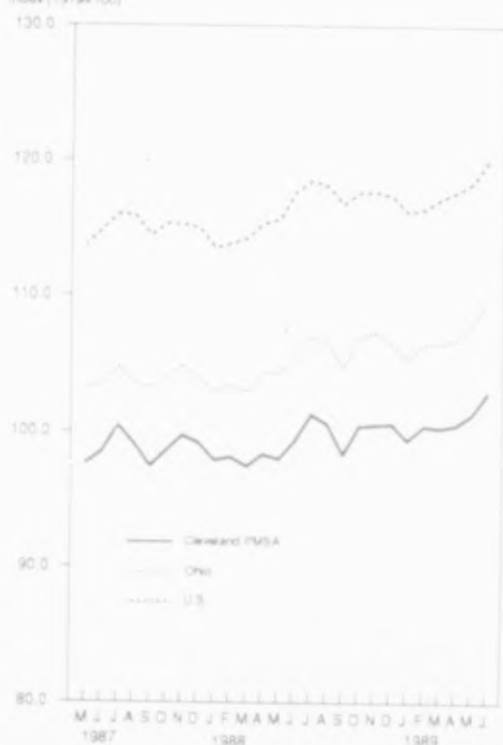
Total nonfarm wage and salary employment advanced 23,700 between July 1988 and July 1989. Leading areas of expansion were services, especially business and health services, and retail trade. Marked growth also occurred in finance, insurance, and real estate, wholesale trade, and construction. Manufacturing employment increased 3,200 during the period with improvements in fabricated metal products, nonelectrical machinery, electric and electronic equipment, and chemicals and allied products.

Indexes of Total Employment

Cleveland PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

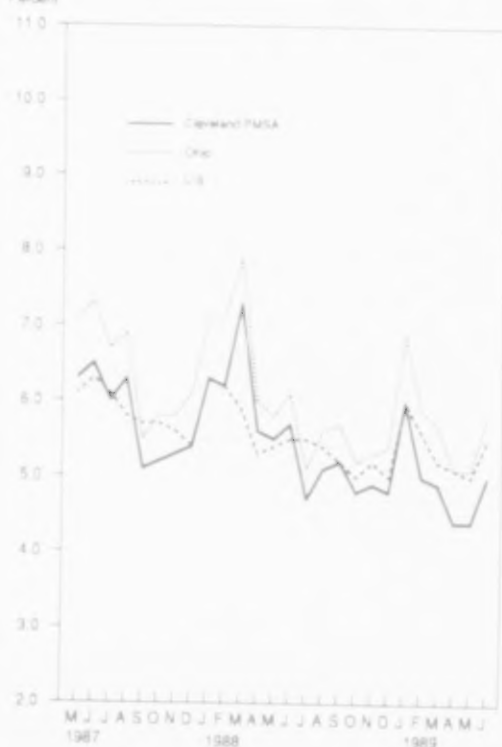


Unemployment Rates

Cleveland PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

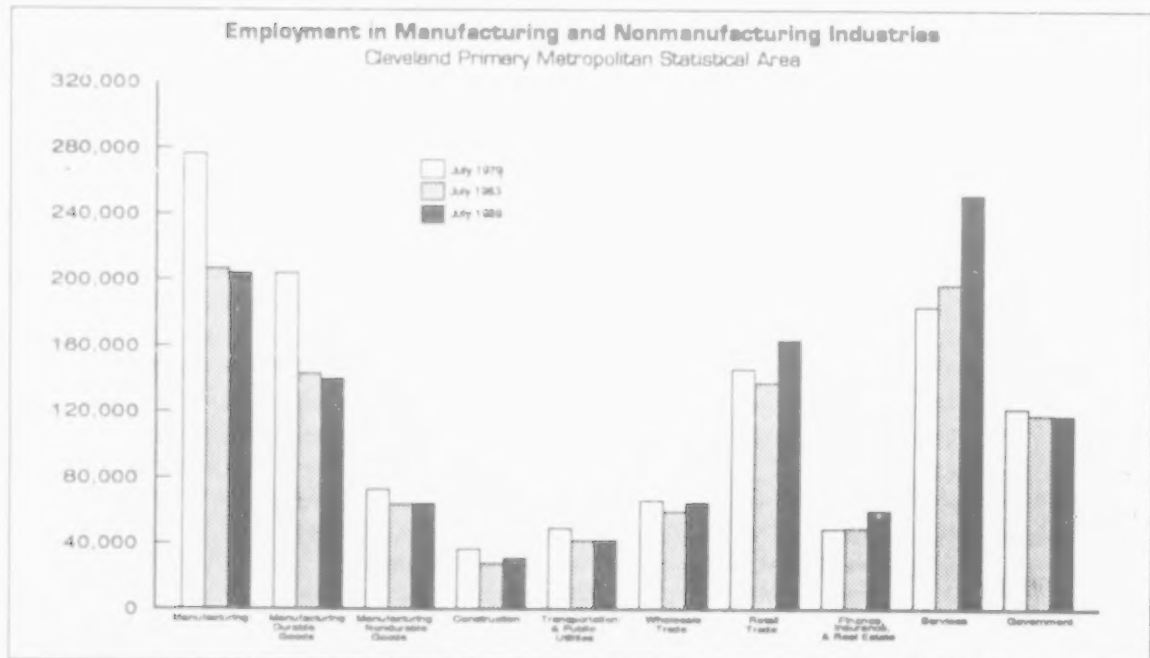
Percent



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment		Manufacturing Production Workers			
		Total	Rate				Hours & Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
921.7	878.5	43.2	4.7	1978	905.8	275.6	108.0	\$321.75	42.9	\$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
936.6	883.0	53.5	5.7	June	911	202.2	130.4	518.28	43.7	11.86
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	May	926.9	204.8	131.9	514.71	43.0	11.97
963.9	915.3	48.6	5.0	June	934.5	205.0	131.7	517.44	43.3	11.95
INA	INA	INA	INA	July	934.9	203.9	130.9	502.18	42.2	11.90

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	934.9	934.5	911.2	.4	23.7
Manufacturing	203.9	205.0	200.8	-1.1	3.2
Durable Goods ^e	140.0	140.4	137.4	-.4	2.6
Primary metal industries	21.5	21.6	21.2	-.2	.3
Iron and steel foundries	4.5	4.5	4.7	.0	-.2
Fabricated metal products	32.6	32.7	31.9	.0	.7
Fabricated structural metal products	4.1	4.1	3.8	.0	.3
Screw machine products, bolts, etc.	5.0	5.0	4.8	.0	.2
Metal forgings and stampings	10.7	10.8	10.8	-.1	.0
Machinery, except electrical	30.7	30.6	30.0	.1	.7
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	10.4	10.4	10.0	.0	.4
Special industry machinery	2.6	2.5	2.7	.1	-.1
General industrial machinery	3.3	3.3	3.1	.0	.2
Electric and electronic equipment	18.0	18.0	17.5	.0	.4
Electrical industrial apparatus	6.7	6.8	5.9	.0	.9
Transportation equipment	19.1	19.2	19.2	-.2	-.1
Motor vehicles and equipment	12.0	12.1	11.9	-.1	.1
Instruments and related products	6.5	6.5	6.4	.0	.1
Measuring and controlling devices	4.5	4.5	4.3	.0	.2
Nondurable Goods ^f	64.0	64.7	63.4	-.7	.6
Food and kindred products	6.1	6.7	6.2	-.5	-.1
Apparel and other textile products	3.4	3.5	3.6	-.1	-.2
Paper and allied products	5.9	5.9	5.9	-.1	.0
Printing and publishing	16.2	16.2	16.0	.0	.2
Chemicals and allied products	15.4	15.4	15.1	.0	.4
Rubber and misc. plastics products	11.3	11.4	11.3	-.1	.1
Nonmanufacturing ^g	731.0	729.5	710.4	1.4	20.5
Construction	31.0	30.0	30.0	1.0	1.1
Transportation and Public Utilities	41.7	41.9	41.7	-.1	.1
Trucking and warehousing	12.4	12.2	12.1	.1	.2
Communication, electric, gas services	17.3	17.3	17.7	.0	-.4
Wholesale Trade	64.7	64.5	63.3	.1	1.4
Wholesale trade-durable goods	44.9	44.8	43.9	.1	1.0
Retail Trade	163.2	162.8	158.6	.4	4.6
General merchandise stores	20.6	20.7	20.1	-.1	.5
Finance, Insurance, and Real Estate	59.7	59.2	57.8	.5	1.9
Banking	14.6	14.4	14.4	-.2	-.2
Credit agencies other than banks	9.1	9.0	8.9	.1	.2
Insurance carriers	14.7	14.6	14.1	.1	.6
Services	251.8	252.0	241.0	-.1	10.8
Business services	59.1	58.5	55.3	.6	3.8
Amusement and recreation services	9.6	9.3	9.6	.4	.0
Health services	79.6	79.2	77.3	.5	2.3
Hospitals	44.4	44.3	43.8	.2	.7
Government	117.7	118.1	117.2	-.5	.5
Federal government	20.7	20.8	20.9	-.2	-.2
State government	8.0	8.2	8.3	-.2	-.3
State government education ^h	2.8	3.1	2.9	-.3	-.1
State government, except education	5.2	5.1	5.4	.1	-.2
Local government	89.0	89.1	88.0	-.1	1.0
Local government education	41.1	43.2	41.3	-2.1	-.2
Local government, except education	47.9	45.9	46.7	2.0	1.2

Hours and Earnings of Production or Nonsupervisory Workers^a

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$502.18	\$517.44	\$499.16	42.2	43.3	42.7	\$11.90	\$11.95	\$11.69
Durable Goods ^d	528.58	545.68	532.88	42.8	43.9	43.5	12.35	12.43	12.25
Primary metal industries	544.54	569.54	566.25	44.2	45.6	45.3	12.32	12.49	12.50
Iron and steel foundries	774.98	889.56	732.59	45.4	50.4	43.4	17.07	17.65	16.88
Fabricated metal products	506.62	533.75	528.04	41.8	43.5	43.0	12.12	12.27	12.28
Fabricated structural metal products ..	424.72	427.14	393.16	42.6	42.8	40.2	9.97	9.98	9.78
Screw machine products, bolts, etc.	547.36	562.24	517.63	44.0	44.8	44.7	12.44	12.55	11.58
Metal forgings and stampings	597.59	651.65	672.44	41.1	44.3	45.1	14.54	14.71	14.91
Machinery, except electrical	506.54	514.92	496.17	43.0	43.6	42.7	11.78	11.81	11.62
Construction and related machinery ...	439.22	453.68	402.16	44.5	46.2	44.0	9.87	9.82	9.14
Metalworking machinery	496.37	507.32	457.38	43.2	44.0	42.0	11.49	11.53	10.89
Special industry machinery	477.34	485.62	450.30	41.4	41.4	39.5	11.53	11.73	11.40
General industrial machinery	484.36	495.07	505.57	42.6	43.2	44.9	11.37	11.46	11.26
Electric and electronic equipment	454.21	467.60	454.27	40.7	41.9	41.6	11.16	11.16	10.92
Electrical industrial apparatus	510.62	545.23	534.02	42.2	44.4	44.8	12.10	12.28	11.92
Transportation equipment	725.31	738.97	718.11	44.8	45.7	46.3	16.19	16.17	15.51
Motor vehicles and equipment	814.32	837.33	791.27	45.8	47.2	46.3	17.78	17.74	17.09
Instruments and related products	412.76	417.16	423.16	41.4	41.8	42.7	9.97	9.98	9.91
Measuring and controlling devices	449.43	453.90	466.47	42.2	42.5	43.8	10.65	10.68	10.65
Nondurable Goods ^e	435.49	445.12	417.18	40.7	41.6	40.7	10.70	10.70	10.25
Food and kindred products	435.92	467.41	415.49	40.4	43.0	41.8	10.79	10.87	9.94
Apparel and other textile products	340.13	339.07	330.83	37.5	37.8	40.1	9.07	8.97	8.25
Paper and allied products	459.38	483.96	465.92	41.8	43.6	41.6	10.99	11.10	11.20
Printing and publishing	413.19	410.22	378.79	37.7	37.6	35.5	10.96	10.91	10.67
Chemicals and allied products	542.01	546.56	503.84	43.5	43.9	43.1	12.46	12.45	11.69
Rubber and misc. plastics products	371.18	387.97	384.34	41.8	43.3	42.8	8.88	8.96	8.98
Transportation and Public Utilities									
Communication, electric, gas services ..	636.55	630.66	591.02	42.1	42.1	41.1	15.12	14.98	14.38
Wholesale Trade	442.97	432.06	420.62	39.8	39.1	39.2	11.13	11.05	10.73
Retail Trade ^f	191.03	189.00	191.43	28.3	28.0	28.7	6.75	6.75	6.67
Finance, Insurance, and Real Estate									
Banking	310.43	305.15	308.15						
Services									
Health services									
Hospitals	352.66	351.21	344.86	30.8	30.7	32.2	11.45	11.44	10.71

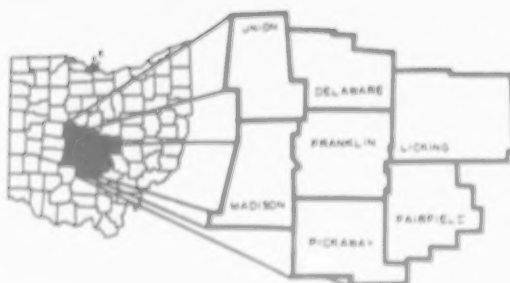
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	2,927	4,229	4,484
Active File of Job Seekers	47,519	44,934	56,512
Referrals to Jobs	1,325	2,159	2,344
Placements	237	279	926
Job Openings Received	2,052	1,154	1,682
Job Openings Unfilled	3,624	3,834	4,256
Unemployment Insurance Program			
Initial Claims	6,385	5,811	6,557
Continued Claims	44,621	44,652	50,211
First Payments	2,426	2,382	2,659
Last Payments	835	960	1,186
Weeks Compensated	34,244	39,667	40,385
Benefits Paid	\$5,320,096	\$6,185,092	\$6,056,452
Average Weekly Payment	\$160.15	\$159.66	\$152.76

COLUMBUS METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Columbus metropolitan area declined 6,600 from the June level to 699,100 in July 1989. Seasonal layoffs of nonteaching personnel in state and local schools and colleges negated moderate growth in construction and services. Manufacturing employment, at 103,200, added 100 workers over the month. Modest increases in transportation equipment and food and kindred products offset reductions in stone, clay, and glass products and fabricated metal products. Factory production workers averaged \$12.04 per hour, up \$.08 from June. Their average workweek of 41.2 hours was .1 hours longer.

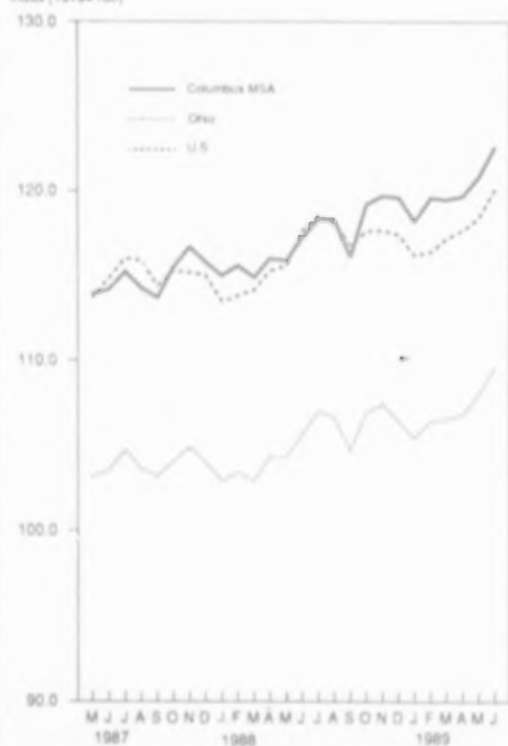
Nonagricultural wage and salary employment advanced 24,000 between July 1988 and July 1989. Leading areas of expansion were services, especially business and health services, retail trade, and construction. Significant improvements also occurred in wholesale trade, transportation and public utilities, and finance, insurance, and real estate. The manufacturing workforce increased 800 during the period with gains in transportation equipment, instruments and related products, and printing and publishing.

Indexes of Total Employment

Columbus MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

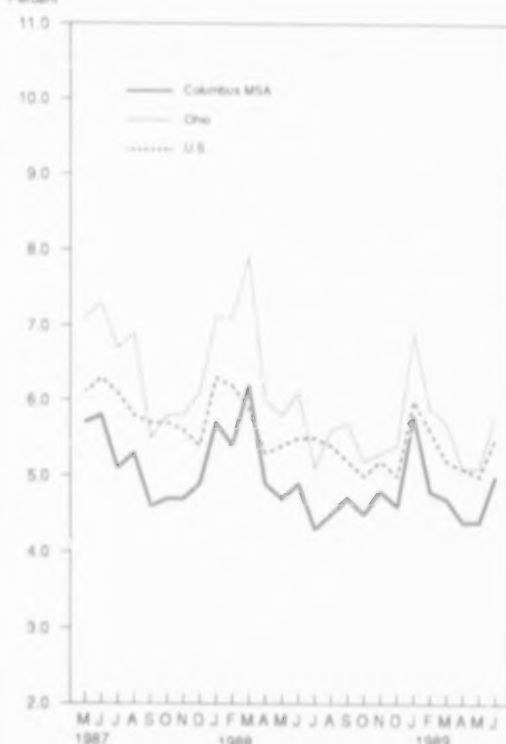


Unemployment Rates

Columbus MSA, Ohio and U.S.

(Not Seasonally Adjusted)

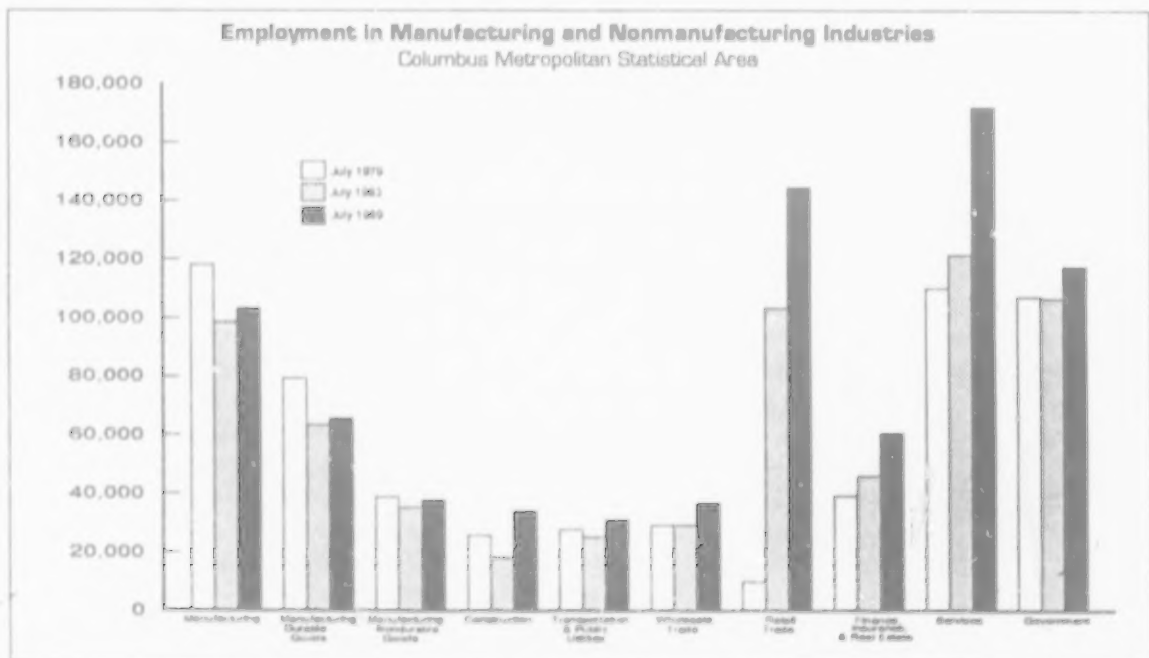
Percent



Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate					Manufacturing Production Workers		
									Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	12.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
711.6	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.3	707.8	37.5	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
INA	INA	INA	INA	July	699.1	103.2	67.4	496.05	41.2	12.04

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	699.1	705.7	675.0	-6.6	24.0
Manufacturing	103.2	103.1	102.4	.1	.8
Durable Goods ²	65.6	65.6	64.6	.0	1.0
Stone, clay, and glass products	9.9	10.0	10.0	-.2	-.1
Glass and glassware, pressed or blown	3.1	3.2	3.1	-.2	-.1
Fabricated metal products	9.0	9.2	9.0	-.2	.0
Fabricated structural metal products	2.5	2.5	2.4	.0	.1
Machinery, except electrical	9.8	9.7	9.7	.1	.0
Electric and electronic equipment	10.6	10.6	10.7	.0	.1
Transportation equipment	13.4	12.3	12.5	.2	.9
Instruments and related products	4.4	4.3	4.1	.1	.3
Nondurable Goods ²	37.6	37.6	37.9	.1	-.2
Food and kindred products	10.3	10.2	10.3	.2	.0
Printing and publishing	10.8	10.7	10.5	.0	.3
Chemicals and allied products	6.8	6.8	6.9	.0	-.1
Rubber and misc. plastics products	5.4	5.5	5.6	-.1	-.2
Nonmanufacturing ²	595.9	602.5	572.6	-6.7	23.2
Construction	33.9	32.6	30.5	1.3	3.3
Transportation and Public Utilities	31.0	30.9	29.8	.0	1.2
Trucking and warehousing	13.1	13.0	12.3	.1	.8
Communication, electric, gas services	11.8	11.8	12.1	.0	-.2
Wholesale Trade	36.4	36.3	34.8	.1	1.7
Wholesale trade-durable goods	23.4	23.3	22.4	.1	1.0
Retail Trade	144.4	144.5	138.1	.0	6.3
General merchandise stores	19.7	19.7	20.1	.0	-.4
Finance, Insurance, and Real Estate	60.2	59.8	59.1	.4	1.1
Banking	11.9	11.8	11.6	.1	.2
Insurance carriers	23.7	23.6	23.3	.1	.4
Services	171.9	171.0	163.1	.9	8.7
Business services	41.8	40.7	38.0	1.0	3.8
Health services	43.2	43.0	41.7	.2	1.5
Hospitals	19.8	19.6	19.2	.1	.6
Government	117.1	126.5	116.2	-9.4	.9
Federal government	15.2	15.2	15.2	.0	-.1
State government	50.9	56.5	50.6	-5.5	.3
State government education ¹	17.9	23.9	18.6	-5.9	-.7
State government, except education	33.0	32.6	32.0	.4	1.0
Local government	51.0	54.9	50.3	-3.9	.7
Local government education	28.3	32.4	23.0	-4.1	.3
Local government, except education	22.7	22.5	22.3	.2	.4

Columbus MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$496.05	\$491.56	\$475.45	41.2	41.1	41.2	\$12.04	\$11.96	\$11.54
Durable Goods ^d	501.80	495.67	482.93	41.3	41.1	41.1	12.15	12.06	11.75
Stone, clay, and glass products	545.22	540.02	479.95	44.8	44.3	40.4	12.17	12.19	11.88
Glass and glassware, pressed or blown	478.70	465.50	438.37	42.4	41.6	39.6	11.29	11.19	11.07
Fabricated metal products	514.98	501.83	509.59	41.1	41.1	40.8	12.53	12.21	12.49
Fabricated structural metal products	460.53	440.27	453.46	40.9	39.7	41.0	11.26	11.09	11.06
Machinery, except electrical	473.93	467.10	470.61	41.5	41.3	42.9	11.42	11.31	10.97
Electric and electronic equipment	458.57	437.76	456.85	39.6	38.4	40.9	11.58	11.40	11.17
Transportation equipment	580.51	579.51	562.92	41.2	41.1	41.3	14.09	14.10	13.63
Instruments and related products	425.20	431.09	404.68	40.0	40.9	38.8	10.63	10.54	10.43
Nondurable Goods ^f	486.16	484.10	458.14	41.2	41.2	41.2	11.80	11.75	11.12
Food and kindred products	455.76	450.78	447.86	42.2	41.7	41.7	10.80	10.81	10.74
Printing and publishing	580.28	576.70	547.46	39.8	39.8	39.7	14.58	14.49	13.79
Chemicals and allied products	582.74	596.01	524.75	41.3	42.3	40.9	14.11	14.09	12.83
Rubber and misc. plastics products	365.16	369.70	360.32	40.8	41.4	41.8	8.95	8.93	8.62
Transportation and Public Utilities	597.19	596.16	593.81	41.5	41.4	41.7	14.39	14.40	14.24
Communication, electric, gas services									
Wholesale Trade	364.22	361.13	349.32	37.9	37.5	37.4	9.61	9.63	9.34
Retail Trade ^h	190.67	189.99	184.44	28.5	28.7	29.0	6.69	6.62	6.36
Finance, Insurance, and Real Estate									
Banking	271.78	272.21	263.25						
Services									
Health services									
Hospitals	377.71	373.74	348.47	34.4	34.1	34.4	10.98	10.96	10.13

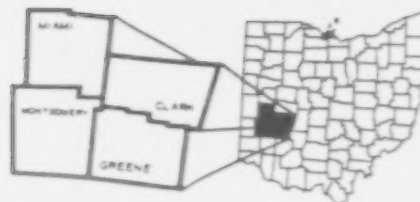
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	3,768	3,915	5,866
Active File of Job Seekers	26,073	25,798	28,916
Referrals to Jobs	1,417	2,182	2,710
Placements	604	577	614
Job Openings Received	3,351	1,042	1,411
Job Openings Unfilled	3,532	2,000	2,444
Unemployment Insurance Program			
Initial Claims	4,580	3,876	4,227
Continued Claims	31,152	30,019	29,153
First Payments	1,960	1,580	1,962
Last Payments	643	769	602
Weeks Compensated	24,574	28,565	23,857
Benefits Paid	\$3,829,962	\$4,534,473	\$3,558,339
Average Weekly Payment	\$164.14	\$166.04	\$151.99

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



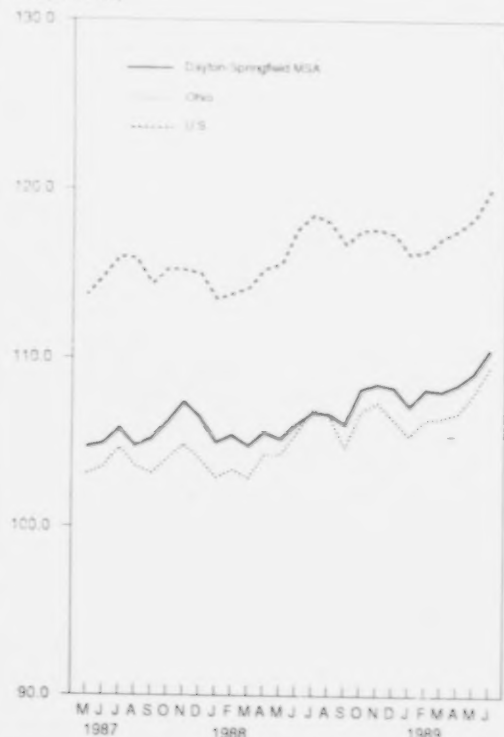
Nonagricultural payroll employment in the Dayton-Springfield metropolitan area declined 5,700 from June to 445,600 in July 1989. Seasonal layoffs of nonteaching personnel in local schools negated a moderate gain in construction. Reductions in transportation equipment and rubber and miscellaneous plastics products lowered manufacturing employment 900 over the month to 104,100. Factory production workers averaged \$12.79 per hour, down \$.08 from June. Their average workweek of 42.4 hours was .7 hours shorter.

Nonfarm wage and salary employment advanced 13,300 between July 1988 and July 1989. The leading growth industry was services (+5,200), especially business and health services. Noteworthy expansion also occurred in construction, retail trade, and federal government employment. The number of manufacturing jobs decreased 700 during the period as employment in transportation equipment, rubber and miscellaneous plastics products, and printing and publishing declined. Employment in nonelectrical machinery and food and kindred products increased.

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

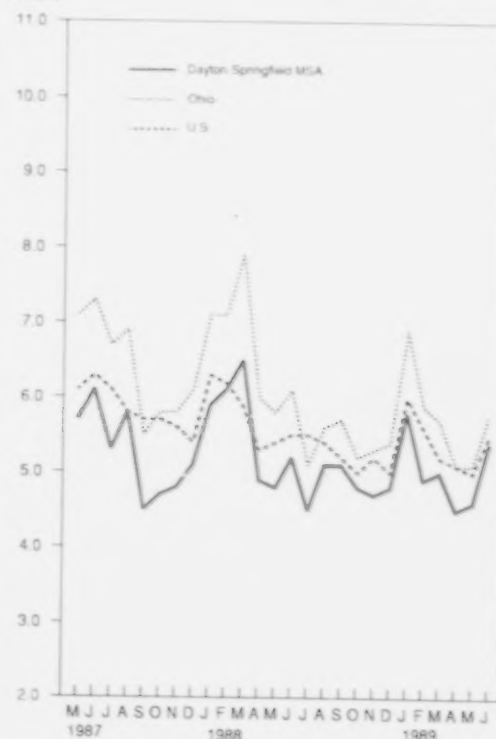
Index (1979=100)



Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Percent

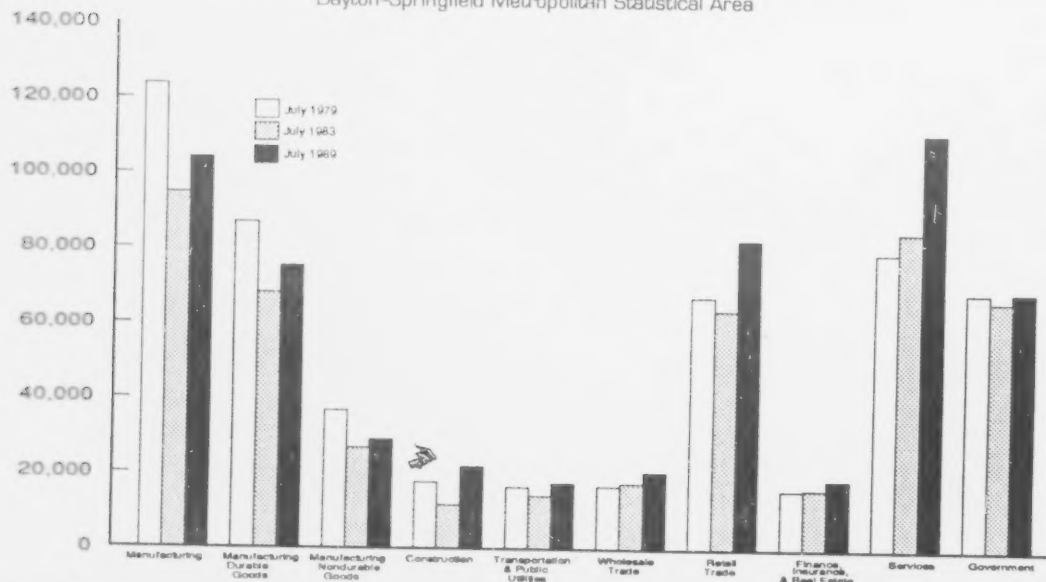


Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate					Manufacturing Production Workers		
								Hours & Earnings		
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
467.8	443.4	24.3	5.2	1988						
467.4	446.5	20.8	4.5	June	437.8	104.9	67.4	559.24	44.0	12.71
469.6	445.8	23.8	5.1	July	432.3	104.8	67.2	525.34	42.4	12.39
467.3	443.3	24.0	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
474.9	452.1	22.8	4.8	September	442.8	105.4	68.1	552.41	43.6	12.67
475.8	453.5	22.3	4.7	October	445.0	104.8	67.7	573.69	44.3	12.95
475.2	452.5	22.7	4.8	November	450.3	105.3	68.2	580.69	44.6	13.02
				December	448.2	105.5	68.3	574.98	44.4	12.95
475.4	447.9	27.5	5.8	1989						
475.7	452.3	23.4	4.9	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	451.9	23.8	5.0	February	438.6	104.7	67.5	565.93	43.6	12.98
475.2	453.7	21.5	4.5	March	441.3	104.9	67.6	563.77	43.3	13.02
478.6	456.4	22.2	4.6	April	447.4	104.8	67.6	555.13	43.1	12.88
488.6	462.2	26.4	5.4	May	449.7	104.6	67.3	555.56	43.1	12.89
INA	INA	INA	INA	June	451.3	105.0	67.5	554.70	43.1	12.87
				July	445.6	104.1	66.2	542.30	42.4	12.79

INA - information not available

Employment in Manufacturing and Nonmanufacturing Industries
Dayton-Springfield Metropolitan Statistical Area



Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	445.6	451.3	432.3	-5.7	13.3
Manufacturing	104.1	105.0	104.8	-.9	-.7
Durable Goods ^a	75.2	75.7	75.4	-.5	-.2
Fabricated metal products	8.5	8.4	8.5	.0	-.1
Machinery, except electrical	30.9	30.9	30.7	.0	.2
Metalworking machinery	6.7	6.7	6.6	.0	.1
General industrial machinery	2.9	2.8	2.8	.0	.1
Electric and electronic equipment	5.8	5.8	5.8	.1	.0
Electrical industrial apparatus	3.4	3.3	3.2	.1	.2
Transportation equipment	20.0	20.7	20.8	-.6	-.8
Nondurable Goods ^f	28.9	29.3	29.4	-.4	-.5
Food and kindred products	3.1	3.1	2.9	.0	.1
Paper and allied products	5.9	5.9	5.9	.0	-.1
Printing and publishing	8.8	8.8	9.0	.0	-.2
Rubber and misc. plastics products	7.5	7.7	7.8	-.2	-.4
Nonmanufacturing^g	341.5	346.3	327.4	-4.8	14.0
Construction	21.8	20.9	19.3	.9	2.5
Transportation and Public Utilities	17.6	17.5	16.9	.0	.6
Communication, electric, gas services	5.2	5.2	5.8	.0	-.6
Wholesale Trade	20.5	20.4	19.8	.1	.7
Wholesale trade-durable goods	13.9	13.8	13.7	.1	.2
Retail Trade	82.3	82.6	80.0	-.3	2.3
General merchandise stores	11.6	11.7	11.6	.0	.1
Finance, Insurance, and Real Estate	18.7	18.7	18.3	.0	.4
Banking	4.3	4.3	4.2	.0	.1
Credit agencies other than banks	4.9	4.8	4.8	.0	.1
Insurance carriers	3.1	3.2	3.0	-.1	.0
Services	111.2	111.4	106.0	-.2	5.2
Business services	28.2	27.9	26.0	.3	2.2
Health services	38.3	38.0	36.9	.3	1.4
Hospitals	19.8	19.6	19.2	.2	.6
Educational services	5.8	6.6	5.7	-.8	.0
Government	68.9	74.4	66.6	-5.4	2.3
Federal government	29.3	29.1	27.3	.2	2.0
State government	6.6	7.3	6.6	-.8	.0
State government education ^h	3.6	4.4	3.6	-.8	.1
State government, except education	2.9	2.9	3.0	.0	-.1
Local government	33.0	37.9	32.7	-4.8	.3
Local government education	17.2	22.2	17.4	-5.0	-.2
Local government, except education	15.8	15.7	15.3	.2	.5

Dayton-Springfield MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$542.30	\$554.70	\$525.34	42.4	43.1	42.4	\$12.79	\$12.87	\$12.39
Durable Goods ^d	554.65	565.94	533.35	42.6	43.4	42.6	13.02	13.04	12.52
Fabricated metal products	414.92	422.82	386.26	42.6	43.5	41.4	9.74	9.72	9.33
Machinery, except electrical	586.79	610.01	569.40	42.8	44.3	43.3	13.71	13.77	13.15
Metalworking machinery	563.85	602.93	546.32	45.0	47.4	45.3	12.53	12.72	12.06
General industrial machinery	504.43	520.72	491.70	44.6	46.0	44.7	11.31	11.32	11.00
Electric and electronic equipment	443.55	435.74	442.54	43.4	43.1	43.6	10.22	10.11	10.15
Electrical industrial apparatus	550.52	536.70	518.47	45.8	44.8	45.4	12.02	11.98	11.42
Transportation equipment	692.73	689.27	655.27	43.0	42.6	42.8	16.11	16.18	15.31
Nondurable Goods ^d	502.53	524.45	503.64	41.6	42.5	41.9	12.08	12.34	12.02
Food and kindred products	359.94	348.43	357.00	42.0	40.8	42.0	8.57	8.54	8.50
Paper and allied products	482.29	493.68	489.88	43.1	44.0	43.7	11.19	11.22	11.21
Printing and publishing	467.83	476.49	445.61	40.4	40.9	39.4	11.58	11.65	11.31
Rubber and misc. plastics products	665.41	710.05	649.27	41.1	42.8	41.7	16.19	16.59	15.57
Transportation and Public Utilities									
Communication, electric, gas services	576.80	579.27	550.67	41.2	41.2	40.7	14.00	14.06	13.53
Wholesale Trade	408.22	401.49	404.59	40.1	39.4	39.9	10.18	10.19	10.14
Retail Trade ^e	175.93	172.35	165.03	28.7	28.3	28.7	6.13	6.09	5.75
Services									
Health services									
Hospitals	374.60	370.94	363.55	33.9	34.0	34.2	11.05	10.91	10.63

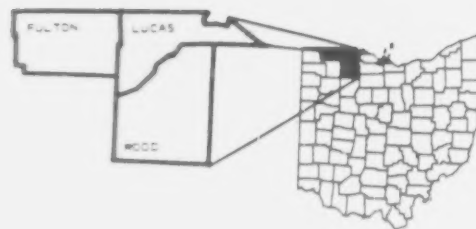
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	1,804	2,086	2,386
Active File of Job Seekers	13,334	11,564	15,284
Referrals to Jobs	1,516	1,735	2,118
Placements	788	435	1,281
Job Openings Received	3,668	886	1,774
Job Openings Unfilled	3,439	1,736	1,944
Unemployment Insurance Program			
Initial Claims	4,185	2,445	4,140
Continued Claims	21,233	20,002	20,268
First Payments	1,319	1,067	1,296
Last Payments	439	506	373
Weeks Compensated	16,681	19,083	16,098
Benefits Paid	\$2,438,621	\$2,746,803	\$2,229,036
Average Weekly Payment	\$153.19	\$149.09	\$140.91

TOLEDO METROPOLITAN STATISTICAL AREA



In the Toledo metropolitan area, total nonfarm payroll employment decreased 2,500 from the June level to 291,700 in July 1989. Seasonal layoffs of nonteaching personnel in local schools negated a moderate gain in construction. Manufacturing employment, at 61,600, was down 400 due to declines in fabricated metal products, stone, clay, and glass products, transportation equipment, and rubber and miscellaneous plastics products. Factory production workers averaged \$13.27 per hour, up fractionally from June. Their average workweek of 43.1 hours was .1 hours shorter.

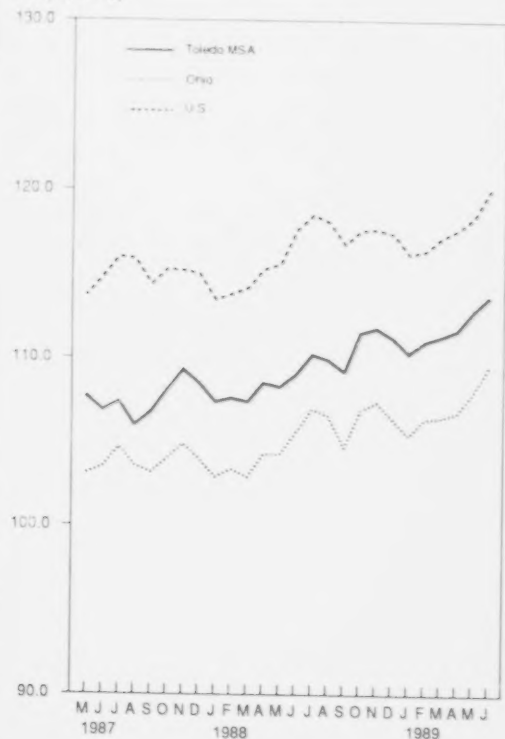
Nonagricultural wage and salary employment advanced 8,600 between July 1988 and July 1989. The primary areas of expansion were services, especially business services, retail trade, and construction. Manufacturing employment declined 1,500 during the period. Noteworthy reductions occurred in fabricated metal products, transportation equipment, rubber and miscellaneous plastics products, and stone, clay, and glass products.

Indexes of Total Employment

Toledo MSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

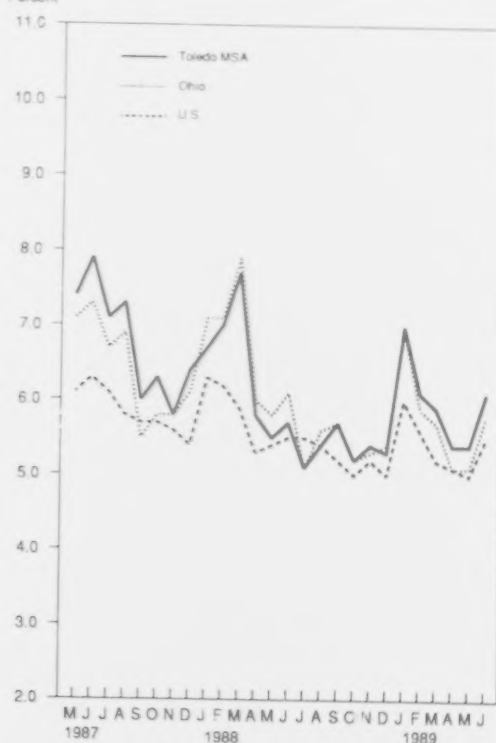


Unemployment Rates

Toledo MSA, Ohio and U.S.

(Not Seasonally Adjusted)

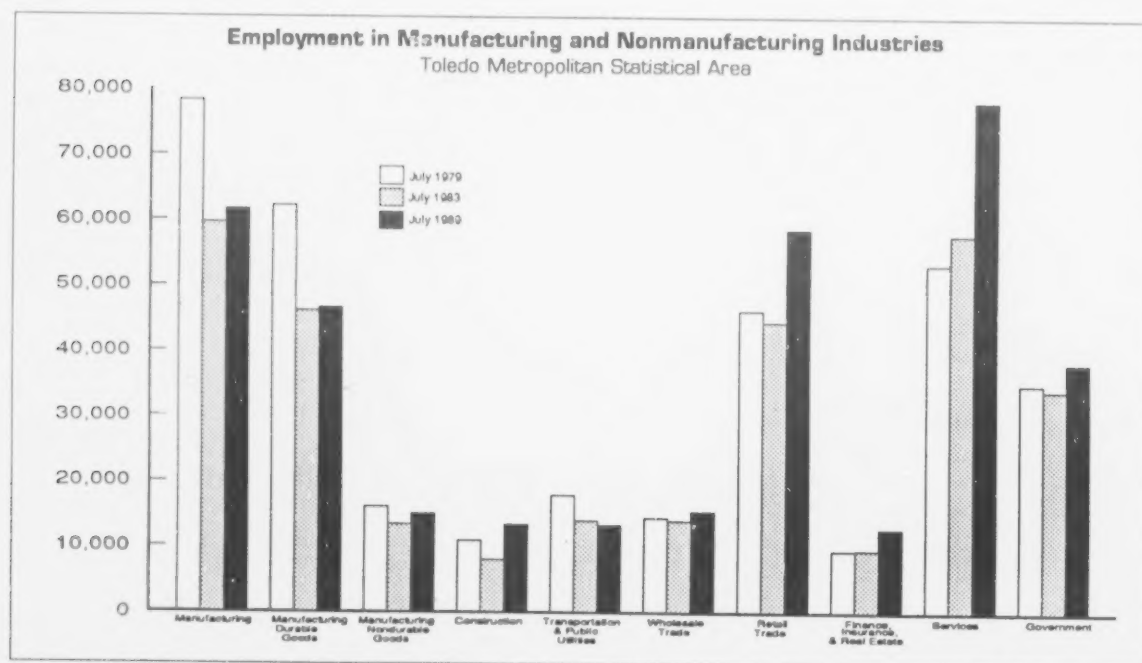
Percent



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed					Manufacturing Employment			
		Total	Rate					Manufacturing Production Workers		
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32
323.6	303.7	19.9	6.1	June	294.1	62.0	44.3	572.83	43.2	13.26
INA	INA	INA	INA	July	291.7	61.6	43.8	571.94	43.1	13.27

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	291.7	294.1	283.1	-2.5	8.6
Manufacturing	61.6	62.0	63.1	-.4	-1.5
Durable Goods ^g	46.6	46.9	47.7	-.3	-1.1
Stone, clay, and glass products	7.5	7.6	7.8	-.1	-.3
Primary metal industries	3.3	3.3	3.5	.0	-.2
Fabricated metal products	7.0	7.1	7.6	-.2	-.6
Metal forgings and stampings	2.8	2.9	3.3	-.1	-.5
Machinery, except electrical	6.1	6.1	5.9	.0	.1
Electric and electronic equipment	2.1	2.1	2.2	.0	-.1
Transportation equipment	15.5	15.6	15.9	-.1	-.4
Motor vehicles and equipment	14.6	14.7	14.9	-.1	-.4
Nondurable Goods ^f	15.0	15.1	15.3	-.1	-.3
Food and kindred products	4.1	4.1	4.1	.0	.0
Rubber and misc. plastics products	3.4	3.5	3.8	-.1	-.4
Nonmanufacturing^g	230.1	232.1	220.0	-2.1	10.0
Construction	13.3	12.7	11.5	.6	1.8
Transportation and Public Utilities	13.3	13.1	13.3	.1	-.1
Trucking and warehousing	5.4	5.4	5.4	.1	.0
Communication, electric, gas services	4.8	4.7	4.8	.1	-.1
Wholesale Trade	15.4	15.3	15.0	.1	.5
Wholesale trade-durable goods	10.4	10.3	10.0	.1	.4
Retail Trade	58.6	58.7	55.6	.0	3.0
General merchandise stores	8.5	8.5	8.0	.0	.5
Finance, Insurance, and Real Estate	12.7	12.7	12.3	.0	.4
Banking	3.8	3.8	3.7	.0	.0
Services	78.3	78.1	74.6	.2	3.7
Business services	17.2	17.0	15.7	.2	1.5
Health services	27.8	27.7	27.2	.2	.7
Hospitals	15.2	15.2	15.0	.0	.2
Government	38.1	41.2	37.5	-3.1	.7
State government	13.1	13.6	12.5	-.6	.5
State government education ^h	8.7	9.4	8.3	-.7	.4
State government, except education	4.4	4.3	4.2	.1	.1
Local government	22.4	24.9	22.3	-2.5	.1
Local government education	11.6	14.1	11.7	-2.6	-.1
Local government, except education	10.8	10.8	10.7	.1	.2

Toledo MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$571.94	\$572.83	\$543.93	43.1	43.2	42.1	\$13.27	\$13.26	\$12.92
Durable Goods ^e	584.30	585.73	563.30	42.9	43.1	42.1	13.62	13.59	13.38
Stone, clay, and glass products	539.60	512.62	510.24	41.7	39.8	39.8	12.94	12.88	12.82
Primary metal industries	458.49	482.63	459.41	40.9	42.9	41.5	11.21	11.25	11.07
Fabricated metal products	446.48	468.29	496.94	40.7	41.7	40.9	10.97	11.23	12.15
Metal forgings and stampings	570.96	624.46	598.02	39.0	41.3	41.3	14.04	15.12	14.48
Machinery, except electrical	516.43	507.60	503.16	43.0	42.3	42.0	12.01	12.00	11.98
Electric and electronic equipment	554.63	548.87	471.65	43.5	43.7	40.8	12.75	12.56	11.56
Transportation equipment	770.89	770.77	712.97	45.4	45.5	43.5	16.98	16.94	16.39
Motor vehicles and equipment	775.43	777.02	720.80	45.4	45.6	43.5	17.08	17.04	16.57
Nondurable Goods ^f	525.57	528.87	474.05	43.4	43.6	42.1	12.11	12.13	11.26
Food and kindred products	649.34	667.81	567.19	45.6	46.7	43.9	14.24	14.30	12.92
Rubber and misc. plastics products	381.92	381.93	349.01	43.4	43.5	42.1	8.80	8.78	8.29
Transportation and Public Utilities									
Communication, electric, gas services	600.70	587.71	622.99	41.2	40.7	42.7	14.58	14.44	14.59
Wholesale Trade	412.08	405.73	389.65	40.4	39.7	39.2	10.20	10.22	9.94
Retail Trade ^h	162.15	158.65	161.24	28.2	27.4	29.0	5.75	5.79	5.56

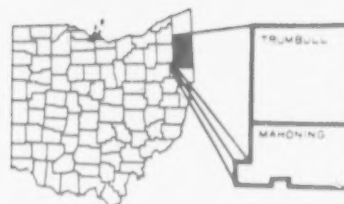
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	1,826	1,487	2,388
Active File of Job Seekers	17,660	16,040	17,469
Referrals to Jobs	1,405	894	1,523
Placements	359	189	576
Job Openings Received	1,021	649	906
Job Openings Untilled	905	1,086	1,299
Unemployment Insurance Program			
Initial Claims	4,430	3,043	3,506
Continued Claims	19,927	16,990	16,476
First Payments	1,506	1,047	1,220
Last Payments	357	372	271
Weeks Compensated	14,679	15,984	13,292
Benefits Paid	\$2,300,608	\$2,447,696	\$1,882,320
Average Weekly Payment	\$164.43	\$159.22	\$145.15

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



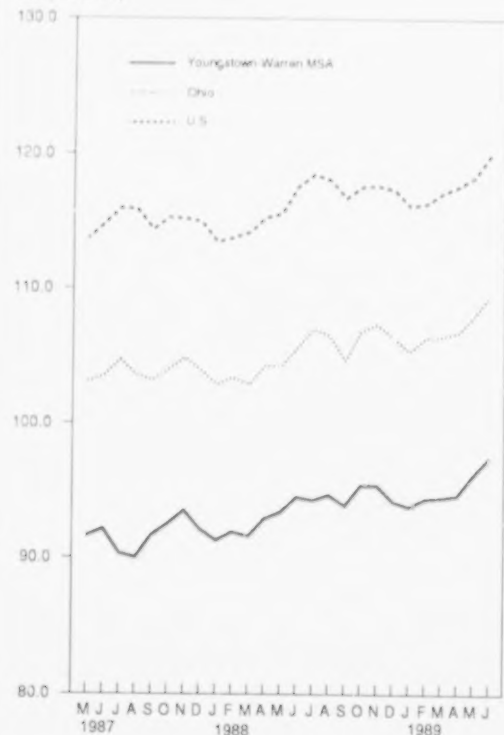
Nonfarm payroll employment in the Youngstown-Warren metropolitan area decreased 6,100 from the June level to 195,100 in July 1989. The manufacturing workforce declined 5,400 to 44,800. Less business and temporary shutdowns due to model changeovers lowered employment in transportation equipment, primary metal industries, and fabricated metal products. Seasonal layoffs of nonteaching personnel in state and local schools and colleges negated modest gains in construction and services, lowering nonmanufacturing employment 700 over the month. Factory production workers averaged \$13.67 per hour, down \$.24 from June. Their average workweek of 42.0 hours was .3 hours shorter.

Nonagricultural wage and salary employment advanced 2,500 between July 1988 and July 1989. Noteworthy expansion occurred in services, retail trade, and construction. Manufacturing employment dropped 4,100 during the period due to a significant reduction in transportation equipment and modest declines in primary metal industries and fabricated metal products. Employment in nonelectrical machinery increased.

Indexes of Total Employment

Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)

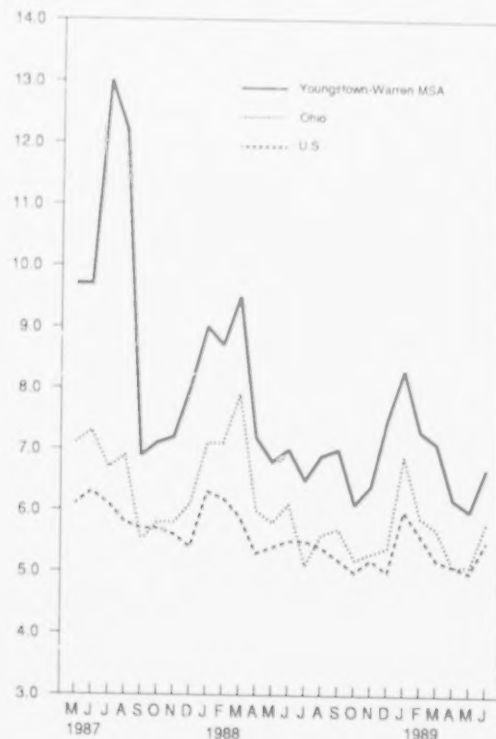
Index (1979=100)



Unemployment Rates

Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)

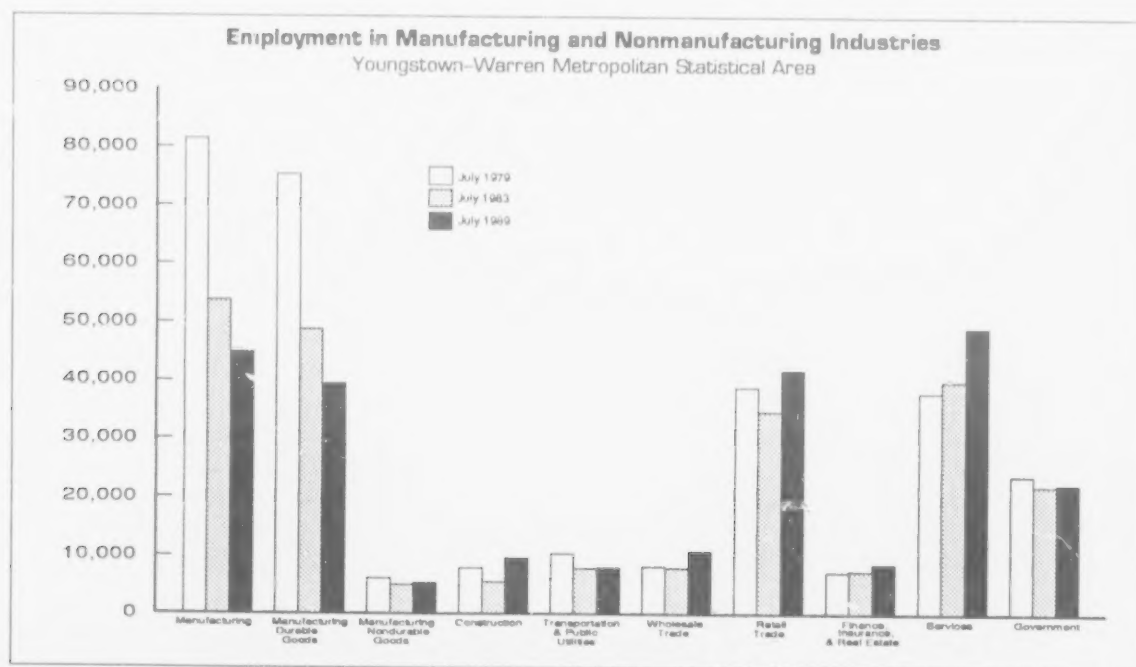
Percent



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	May	200.0	50.1	38.1	600.66	43.4	13.84
229.6	214.3	15.3	6.7	June	201.2	50.2	38.2	588.39	42.3	13.91
INA	INA	INA	INA	July	195.1	44.8	32.7	574.14	42.0	13.67

INA - information not available



Youngstown-Warren MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	July 1989 ^b	June 1989 ^c	July 1988 ^c	From Last Month	From Last Year
Total	195.1	201.2	192.6	-6.1	2.5
Manufacturing	44.8	50.2	48.9	-5.4	-4.1
Durable Goods ^b	39.5	45.0	43.7	-5.5	-4.1
Primary metal industries	17.6	18.4	17.9	-.9	-.3
Blast furnace and basic steel products	5.5	5.6	5.8	-.1	-.3
Fabricated metal products	6.9	7.4	7.1	-.5	-.2
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.2	2.2	2.3	.0	-.1
Transportation equipment	5.6	9.8	9.4	-4.2	-3.8
Nondurable Goods ^a	5.3	5.2	5.3	.1	.0
Nonmanufacturing ^d	150.3	151.0	143.6	-.7	6.6
Construction	9.5	9.1	8.5	.4	1.0
Transportation and Public Utilities	7.8	7.9	7.6	.0	.3
Communication, electric, gas services	2.8	2.8	2.9	.0	-.1
Wholesale Trade	10.7	10.7	10.4	.0	.4
Wholesale trade-durable goods	6.9	6.9	6.6	.0	.3
Retail Trade	41.7	41.7	39.9	.0	1.8
General merchandise stores	5.2	5.1	5.2	.1	.0
Finance, Insurance, and Real Estate	8.4	8.4	8.5	.0	-.1
Banking	2.8	2.8	2.8	.0	.0
Services	49.1	48.6	46.2	.4	2.9
Health services	21.2	20.9	20.6	.2	.6
Hospitals	11.0	10.8	10.7	.2	.3
Government	22.2	23.8	21.8	-1.5	.4
State government	3.9	4.7	3.7	-.8	.2
State government education	2.3	3.2	2.1	-.9	.2
State government, except education	1.6	1.5	1.6	.0	.0
Local government	16.3	17.0	16.1	-.7	.2
Local government education	9.6	10.3	9.5	-.7	.1
Local government, except education	6.7	6.7	6.5	.0	.1

Youngstown-Warren MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c	Jul. 1989 ^b	Jun. 1989 ^c	Jul. 1988 ^c
Manufacturing	\$574.14	\$588.39	\$568.09	42.0	42.3	42.3	\$13.67	\$13.91	\$13.43
Durable Goods ^e	589.96	602.65	583.62	42.2	42.5	42.6	13.98	14.18	13.70
Primary metal industries	654.08	663.92	624.07	42.5	43.0	41.8	15.39	15.44	14.93
Blast furnace and basic steel products ..	641.22	648.67	629.29	46.6	46.6	45.8	13.76	13.92	13.74
Fabricated metal products	583.14	615.62	542.05	43.1	45.2	41.6	13.53	13.62	13.03
Machinery, except electrical	486.51	495.85	484.36	41.3	42.2	42.6	11.78	11.75	11.37
Electric and electronic equipment	471.55	455.80	454.50	40.2	39.6	40.4	11.73	11.51	11.25
Transportation equipment	624.79	617.69	654.40	43.0	41.4	45.1	14.53	14.92	14.51
Nondurable Goods ^f	426.66	436.57	420.25	39.8	40.2	40.1	10.72	10.86	10.48
Transportation and Public Utilities									
Communication, electric, gas services ...	589.58	582.82	559.71	41.0	40.7	40.5	14.38	14.32	13.82
Wholesale Trade	366.14	372.49	362.62	38.5	38.6	38.7	9.51	9.65	9.37
Retail Trade ^h	181.83	182.47	179.98	28.5	28.6	29.7	6.38	6.38	6.06

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	1,689	2,684	2,495
Active File of Job Seekers	22,001	20,001	16,283
Referrals to Jobs	1,074	1,243	1,580
Placements	245	288	340
Job Openings Received	806	455	930
Job Openings Unfilled	890	933	1,477
Unemployment Insurance Program			
Initial Claims	7,156	3,854	4,231
Continued Claims	20,405	15,255	15,941
First Payments	1,704	939	1,669
Last Payments	281	242	244
Weeks Compensated	14,049	13,966	13,218
Benefits Paid	\$2,051,633	\$2,020,153	\$1,846,011
Average Weekly Payment	\$155.47	\$149.50	\$142.74

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	2
Manufacturing	57	3
Nonmanufacturing	38	2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	3
Wholesale Trade	22	4
Retail Trade	21	4
Finance, Insurance, and Real Estate	43	3
Services	34	3
Government	71	2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio			
	July 1989	June 1989	July 1988
New Applicants	27,022	34,620	38,482
Active File of Job Seekers	263,145	242,715	263,530
Counseling Interviews	456	628	1,173
Tests Administered	1,097	1,684	1,163
General Aptitude Tests	70	190	70
Proficiency Tests	289	270	241
Specific Aptitude Tests	95	137	650
Referrals to Jobs	19,261	24,866	31,082
Placements	7,951	5,741	9,816
Job Openings Received	26,946	12,381	18,228
Job Openings Unfilled	24,355	20,920	27,122

Selected Unemployment Insurance Activities

Ohio			
	July 1989	June 1989	July 1988
Initial Claims	62,654	45,358	51,819
Continued Claims	323,079	302,036	316,853
First Payments	21,828	17,178	19,490
Last Payments	6,155	6,522	6,052
Average Weekly Claimants	76,168	71,428	74,662
Average Weekly Benefit Recipients	60,480	61,029	57,831
Weeks Compensated	248,345	283,746	246,644
Benefits Paid	\$37,618,942	\$43,220,041	\$36,051,763
Average Weekly Payment	\$158.76	\$158.00	\$149.40
Continued Claims for Survey Week	84,759	70,714	76,583
Insured Unemployment Rate	1.7	1.6	1.7
Net Contributions	\$61,006,917	\$5,928,093	\$51,966,913
Active Employer Accounts	204,637	203,748	200,528

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
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Labor Market Review

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Ohio
Labor
Market
Information

56270-1
10/1/89
Labor
Market
Review

August 1989

Summary. In August, Ohio's seasonally adjusted unemployment rate was 4.8 percent, down from 5.4 percent in July. The national rate, at 5.2 percent, was unchanged from July. Total employment in Ohio rose 52,000 to 5,209,000. There were 250,000 workers unemployed in the State in August, down 33,000 from July. Seasonally adjusted nonagricultural wage and salary employment increased 20,000 from July to 4,807,000 in August. There were significant gains in both manufacturing and nonmanufacturing industries. (See page 3.)

Factory Employment. Manufacturing employment in Ohio rose 9,000 from July to 1,108,000 in August. Durable goods employment advanced 8,000 to 748,000, due to returns from layoffs in transportation equipment and primary metal industries. Nondurable goods employment was virtually unchanged from July at 360,000, despite an increase in rubber and miscellaneous plastics products.

Nonmanufacturing. Ohio's nonmanufacturing employment, at 3,699,000 in August, was up 11,000 from July. The end of a labor-management dispute boosted employment in mining 3,000. Services also added 3,000 jobs, while retail trade rose 2,000. Construction, transportation and public utilities, wholesale trade, and finance, insurance, and real estate each increased 1,000. The only division to lose employment was government, which fell 1,000.

Over the Year. The unemployment rate in Ohio declined from 5.6 percent in August 1988 to 4.8 percent in August 1989. The U.S. rate fell from 5.6 percent to 5.2 percent during the same period. Total employment in Ohio rose 181,000 over the year, while total unemployment was down 41,000. Nonfarm wage and salary employment increased 127,000 from August 1988. The largest gains were in services (+47,000), retail trade (+33,000), and construction (+15,000). All other divisions showed improvement except mining, which remained at the 1988 level. Increases in durable goods industries raised manufacturing employment 8,000 over the year.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of \$516.11 per week in August, up \$5.39 from July. The only notable decrease in earnings occurred in metal forgings and stampings. Motor vehicles and equipment, iron and steel foundries, and electric lighting and wiring had the most significant increases. The average workweek of 42.2 hours was .2 hours longer.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 50,739 in August, down 19.0 percent from July but up .8 percent from August 1988. Total benefits paid rose 14.5 percent from July to \$43.1 million. The average benefit check of \$159.68 was \$.92 higher. The average weekly number of benefit recipients fell 1.2 percent from July to 59,744. At the end of August there were 204,563 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor

Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services aided 43,692 new job applicants in August, up 61.7 percent from July and up 4.8 percent from August 1988. The number of job openings received from employers rose 66.9 percent from July to 44,961. The Employment Services Division made 30,703 job referrals and 11,687 placements.

Ohio Occupational Almanac

Our most popular publication, the *Ohio Occupational Almanac*, is now ready for release. This bound reference of over 500 pages offers a look at supply, demand, wages and job holder characteristics of more than 200 occupations. Organization of the data has been greatly improved and new surveys have been used to update all of the information. The *Ohio Occupational Almanac* gives the reader a quick, yet thorough, accounting of the growth and employment patterns, the average wage, available training courses, number of completors available for work, and the occupational, educational and interest characteristics associated with each job area.

Important: Since the demand for labor market information has been increasing at the same time the agency's budget has been decreasing, it has become necessary to institute a cost-recovery charge for the *Almanac*. Your \$10 purchase price will enable us to recover the printing cost, as well as shipping and handling of your *Almanac* copy.

For more information, call the LMI Division at (614) 644-2689, or write:

Ohio Bureau of Employment Services
LMI Division
Attn: Statistical Services
P.O. Box 1618
Columbus, OH 43216

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio^a

	Estimates (in thousands)			Change ^b (in thousands)		Percent Change ^c	
	August 1989	July 1989	August 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data^d							
Civilian Labor Force	5,469	5,450	5,329	19	140	0.3	2.6
Employment	5,209	5,157	5,028	52	181	1.0	3.6
Unemployment	260	293	301	-33	-41	-11.3	-13.6
Unemployment Rate	4.8	5.4	5.6				
Employer Survey Data^e							
Total	4,807	4,787	4,680	20	127	0.4	2.7
Manufacturing	1,108	1,100	1,100	9	8	0.8	0.8
Durable Goods	748	740	741	8	7	1.1	1.0
Nondurable Goods	360	359	358	0	1	0.1	0.4
Nonmanufacturing	3,699	3,688	3,581	11	118	0.3	3.3
Mining	20	17	20	3	0	18.9	1.4
Construction	197	197	183	1	15	0.4	8.0
Transportation and Public Utilities	215	214	212	1	3	0.4	1.5
Wholesale Trade	263	262	256	1	8	0.4	3.0
Retail Trade	911	908	878	2	33	0.3	3.7
Finance, Insurance, and Real Estate	256	255	251	1	6	0.3	2.3
Services	1,140	1,136	1,093	3	47	0.3	4.3
Government	696	698	689	-1	7	-0.2	1.0
Goods Producing Industries ^f	1,325	1,313	1,302	13	23	1.0	1.8
Service Producing Industries ^g	3,482	3,475	3,378	7	103	0.2	3.1

^aData for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

^bChanges are computed from unrounded numbers.

^cPercentages are computed from unrounded numbers.

^dFrom the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

^eFrom the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

^fIncludes Mining, Construction, and Manufacturing.

^gIncludes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,242	4,877	365	7.0	6.0
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3
5,434	5,138	296	5.4	5.2
5,490	5,183	307	5.6	5.3
5,450	5,157	293	5.4	5.2
5,469	5,209	260	4.8	5.2

Ohio Nonagricultural Wage and Salary Employment (in thousands)

	Total Nonagricultural Employment			
	Manufacturing Employment			
		Durable	Nondurable	
1987				
August	4,588	1,098	739	359
September	4,596	1,101	743	358
October	4,617	1,105	745	360
November	4,631	1,106	746	360
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,544	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	350
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,772	1,118	754	364
March	4,777	1,114	751	363
April	4,778	1,110	748	362
May	4,780	1,107	747	360
June	4,786	1,107	746	361
July	4,787	1,100	740	359
August	4,807	1,108	748	360

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,490	21	176	209	248	849	245	1055	687
3,495	20	177	209	249	850	246	1059	685
3,512	21	178	209	251	856	247	1062	688
3,525	21	180	210	251	860	247	1067	691
3,540	21	183	210	252	863	248	1073	691
3,533	20	181	210	251	865	247	1068	691
3,542	20	182	210	251	868	247	1073	690
3,557	19	185	211	252	872	248	1078	692
3,555	20	183	211	252	870	249	1079	691
3,561	19	182	211	253	871	249	1083	692
3,569	19	182	211	254	874	249	1087	692
3,575	19	182	212	255	876	250	1089	692
3,581	20	183	212	256	878	251	1093	689
3,589	19	184	212	256	880	251	1095	691
3,599	19	184	212	257	884	252	1097	693
3,611	19	186	213	258	887	252	1102	694
3,622	19	188	213	258	889	252	1108	693
3,642	19	196	213	259	896	253	1112	693
3,654	19	197	213	260	899	254	1116	696
3,663	19	197	214	260	903	254	1120	696
3,668	19	196	215	261	902	255	1125	695
3,672	19	196	214	261	902	255	1129	696
3,679	20	197	214	261	906	255	1132	694
3,688	17	197	214	262	908	255	1136	698
3,699	20	197	215	263	911	256	1140	696

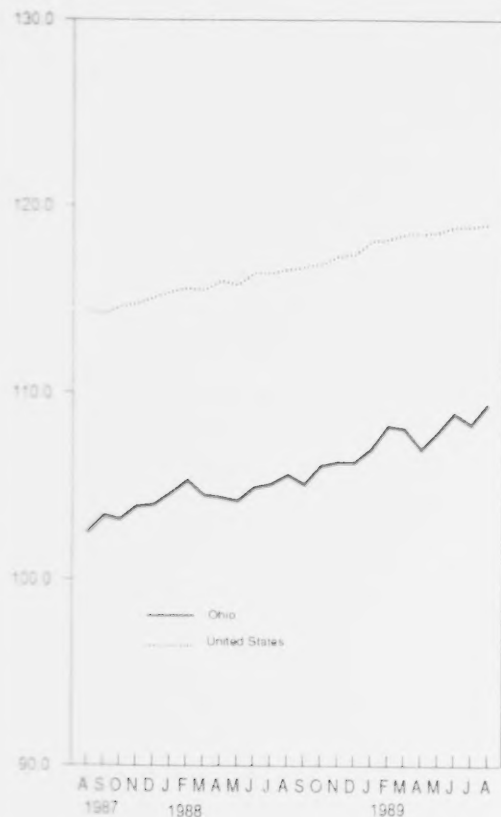
^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Labor Market Review.

Indexes of Total Employment

Ohio and U.S.

(Seasonally Adjusted)

Index 1979=100

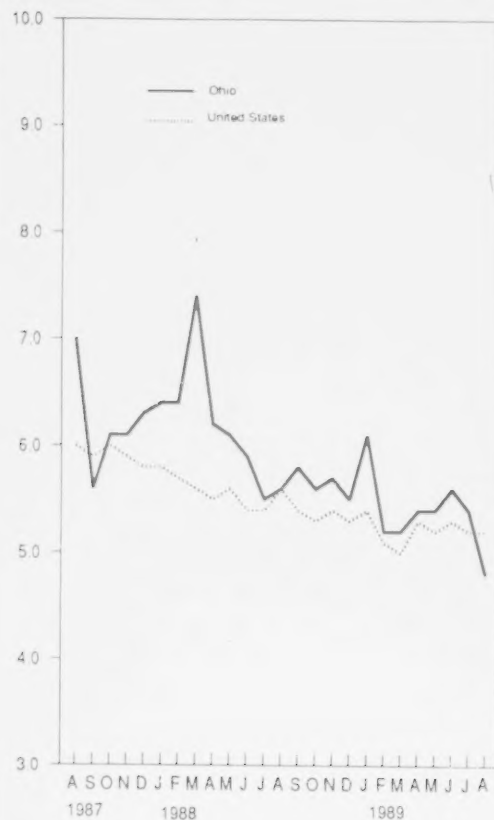


Unemployment Rates

Ohio and U.S.

(Seasonally Adjusted)

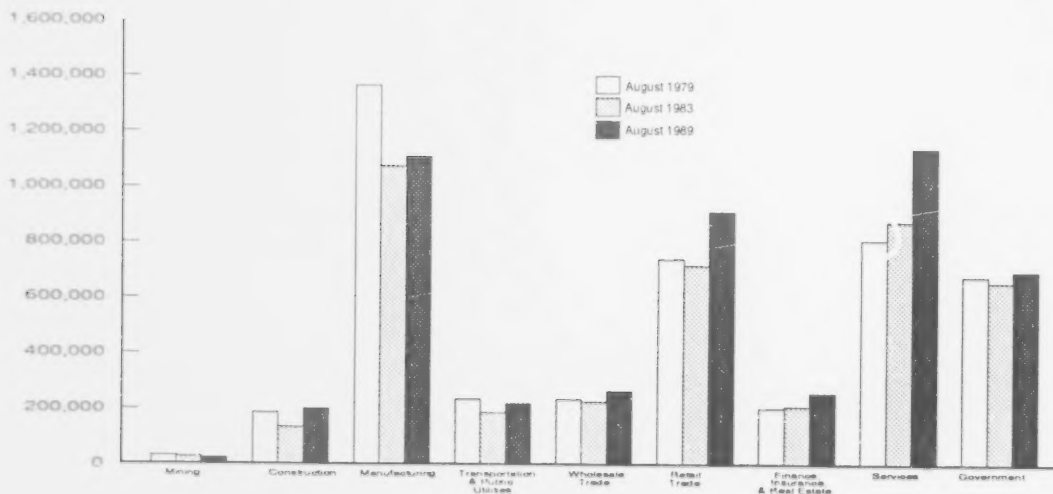
Percent



Employment in Division-Level Industries

(Seasonally Adjusted)

Number



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
5,376	5,076	301	5.6	5.4
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6
5,375	5,068	307	5.7	5.2
5,357	5,085	273	5.1	5.1
5,419	5,143	277	5.1	5.0
5,537	5,216	321	5.8	5.5
5,526	5,248	277	5.0	5.3
5,517	5,257	261	4.7	5.1

Ohio Nonagricultural Wage and Salary Employment (in thousands)

	Total Nonagricultural Employment			
	Manufacturing Employment			
		Durable	Nondurable	
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,582.6	1,098.9	740.4	358.4
1988	4,683.0	1,103.1	743.6	359.6
1988				
August	4,679.1	1,102.1	740.5	361.6
September	4,731.7	1,110.5	745.6	364.9
October	4,757.7	1,110.3	747.8	362.5
November	4,834.7	1,115.7	753.3	362.3
December	4,781.8	1,115.1	752.5	362.6
1989				
January	4,669.0	1,112.2	751.4	360.8
February	4,671.4	1,107.3	747.9	359.4
March	4,707.6	1,106.9	748.1	358.8
April	4,761.0	1,107.1	748.4	358.7
May	4,811.3	1,107.5	748.7	358.8
June	4,831.8	1,112.5	750.8	361.7
July	4,791.5	1,099.6	739.6	360.0
August	4,807.0	1,109.8	746.8	363.0

Nonmanufacturing Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	192.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	1987	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.6	211.5	254.3	1988	876.5	249.8	1,087.8	696.8
3,577.0	19.8	202.5	213.9	256.3	1988				
3,621.2	19.8	202.0	214.8	256.5	August	886.2	253.3	1,104.7	640.3
3,647.4	19.8	203.0	215.0	258.4	September	888.2	251.8	1,109.8	678.3
3,719.0	19.7	197.4	214.7	258.5	October	891.8	252.1	1,105.1	702.2
3,666.6	19.5	188.0	215.3	259.1	November	906.0	252.1	1,102.1	768.5
					December	921.4	252.4	1,101.0	710.0
3,556.9	18.9	167.0	208.7	256.9	1989				
3,564.1	18.6	162.2	208.5	256.9	January	877.0	250.3	1,083.4	694.5
3,600.8	18.7	170.8	209.7	257.8	February	867.2	250.8	1,091.8	708.0
3,653.9	19.0	184.7	212.8	259.7	March	876.3	251.5	1,103.0	712.9
3,703.7	19.2	197.0	214.3	261.3	April	889.8	253.1	1,125.5	709.3
3,719.4	19.8	206.5	216.0	263.1	May	904.2	254.6	1,138.7	714.4
3,692.0	17.0	215.0	216.0	263.8	June	912.5	257.0	1,149.9	694.5
3,697.2	20.1	218.5	217.1	264.0	July	913.8	258.5	1,151.2	656.5
					August	919.0	259.1	1,152.4	646.9

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings^a

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,102.1	740.5	361.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,106.9	748.1	358.8
1,107.1	748.4	358.7
1,107.5	748.7	358.8
1,112.5	750.8	361.7
1,099.6	739.6	360.0
1,109.8	746.8	363.0

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
985.5	\$302.5	41.5
979.0	318.5	40.6
867.8	301.9	35.2
847.7	330.4	34.7
735.7	297.1	29.5
721.6	315.4	29.9
781.5	362.3	33.1
773.4	369.7	32.5
758.5	369.1	31.9
751.4	375.5	32.0
759.1	391.7	32.6
756.7	382.1	32.1
765.9	399.6	33.2
765.5	400.4	33.1
771.1	410.1	33.7
770.1	411.5	33.7
766.2	404.1	33.1
762.0	400.1	32.8
761.4	400.2	32.7
761.4	397.0	32.5
761.1	397.5	32.5
764.1	402.9	32.8
750.5	383.3	31.5
760.1	392.3	32.1

Production Worker Average Weekly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$306.91	\$316.83	\$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
504.98	525.21	460.22
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
525.53	549.41	470.50
521.37	542.59	473.71
522.22	543.46	471.86
527.24	546.05	480.48
510.72	526.66	472.79
516.11	532.12	478.72

Production Worker Average Weekly Hours

Manu- facturing	Durable Goods	Nondurable Goods
42.1	42.3	41.5
41.5	41.6	41.1
40.6	40.7	40.2
40.9	40.9	40.7
40.1	40.0	40.4
41.4	41.5	41.2
42.3	42.5	41.7
42.0	42.3	41.3
42.1	42.4	41.6
42.6	42.9	41.9
43.0	43.4	42.2
42.4	42.7	41.8
43.3	43.7	42.5
43.3	43.7	42.3
43.7	44.2	42.6
43.8	44.2	42.9
43.2	43.7	42.1
43.0	43.5	41.9
42.9	43.5	41.6
42.7	43.2	41.7
42.7	43.2	41.5
42.9	43.2	42.0
42.0	42.2	41.4
42.2	42.4	41.7

Production Worker Average Hourly Earnings

Manu- facturing	Durable Goods	Nondurable Goods
\$ 7.29	\$ 7.49	\$ 6.73
7.84	8.06	7.25
8.57	8.81	7.96
9.53	9.82	8.80
10.07	10.37	9.38
10.56	10.90	9.77
10.96	11.35	10.02
11.38	11.81	10.31
11.56	11.98	10.57
11.73	12.11	10.86
12.00	12.41	11.03
11.91	12.30	11.01
12.05	12.48	11.05
12.08	12.51	11.06
12.17	12.62	11.09
12.20	12.62	11.18
12.21	12.61	11.22
12.21	12.59	11.28
12.25	12.63	11.31
12.21	12.56	11.36
12.23	12.58	11.37
12.29	12.64	11.44
12.16	12.48	11.42
12.23	12.55	11.48

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment (thousands)

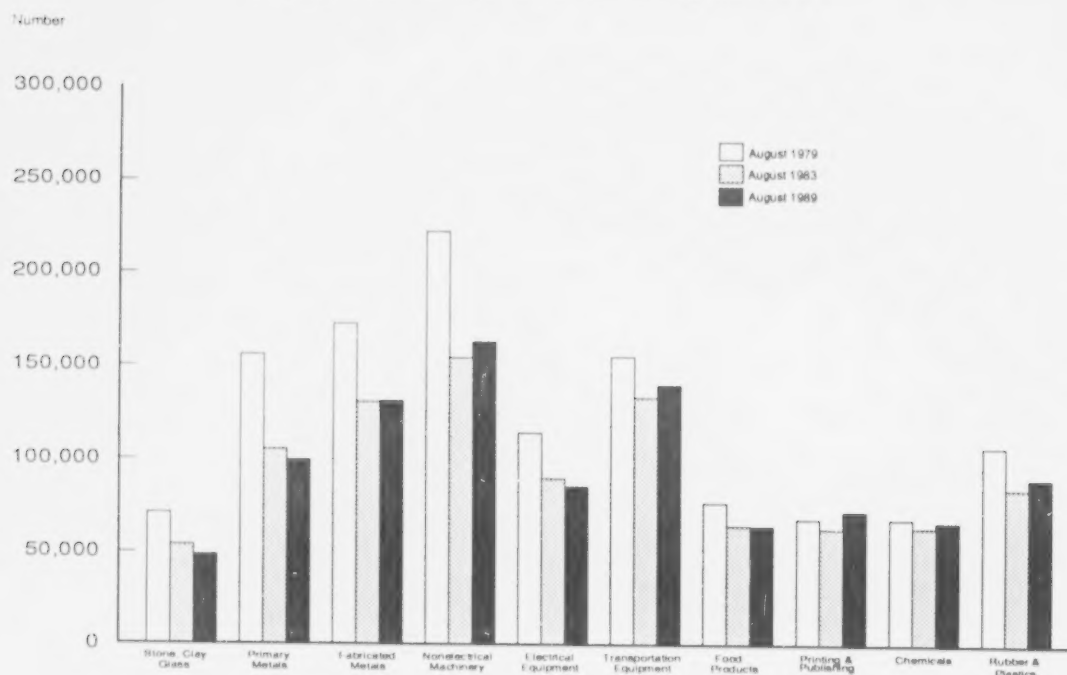
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.0	100.0	133.6	May	163.4	85.1	140.0	May	61.7	71.8	90.0
48.4	100.0	133.2	June	163.7	85.4	140.6	June	63.0	72.2	90.0
48.1	97.9	131.2	July	163.5	85.0	133.9	July	62.6	72.0	88.5
48.3	99.4	131.0	August	162.7	85.4	139.4	August	64.0	72.2	89.6

Average Weekly Earnings of Production Workers

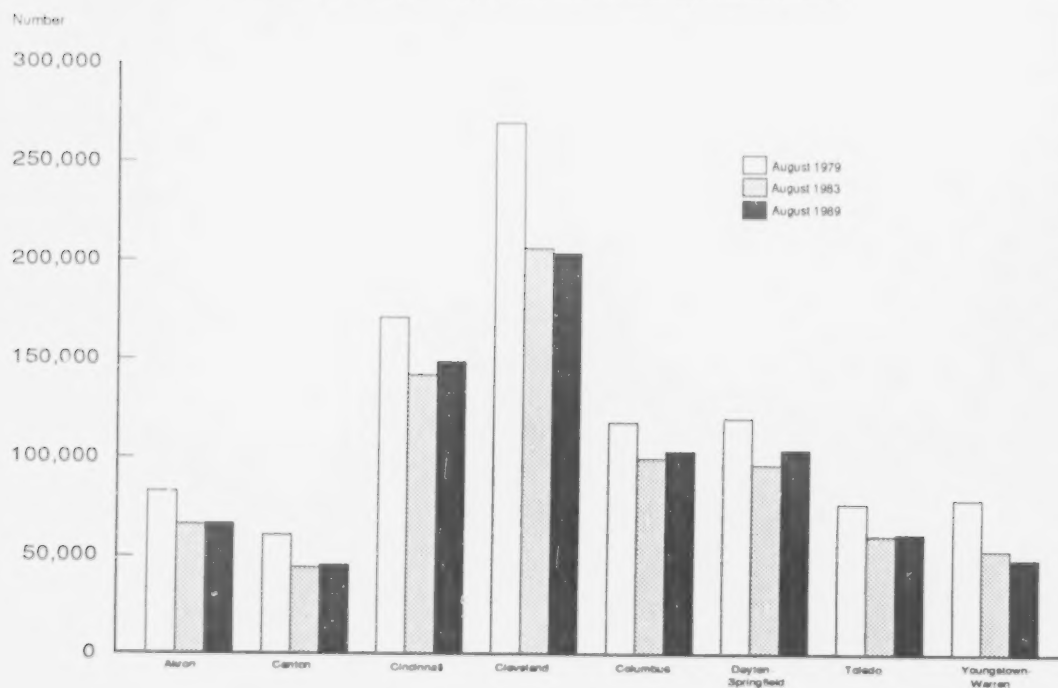
\$274.81	\$366.24	\$307.23	1978	\$306.16	\$268.45	\$389.66	1978	\$281.15	\$285.18	\$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
464.88	620.64	515.82	May	538.74	462.73	691.75	May	455.10	446.18	453.05
472.01	632.19	507.53	June	536.36	460.37	712.80	June	469.79	447.30	462.03
472.01	605.52	499.62	July	521.00	448.34	676.24	July	462.00	449.26	447.72
478.66	610.74	493.58	August	520.51	459.79	686.35	August	463.52	455.88	451.96

^aEstimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	4807.0	4791.5	4679.1	15.5	127.9
Manufacturing	1109.8	1099.6	1102.1	10.3	7.7
Durable Goods ^e	746.8	739.6	740.5	7.3	6.3
Lumber and wood products	25.4	25.1	22.8	.3	2.5
Furniture and fixtures	14.9	14.9	14.9	.0	-.1
Stone, clay, and glass products	48.3	48.1	48.7	.2	-.4
Glass and glassware, pressed or blown	8.7	8.6	8.7	.1	.0
Primary metal industries	99.4	97.9	99.1	1.5	.3
Blast furnace and basic steel products	45.8	45.9	45.8	-.1	.0
Iron and steel foundries	19.6	18.6	19.3	1.0	.2
Nonferrous rolling and drawing	16.6	16.3	17.4	.3	-.7
Fabricated metal products	131.0	131.2	131.1	-.2	.0
Cutlery, hand tools, and hardware	9.5	9.4	10.0	.1	-.6
Fabricated structural metal products	28.2	28.3	27.3	-.1	.9
Metal forgings and stampings	38.6	38.8	40.3	-.2	-1.7
Machinery, except electrical	162.7	163.5	158.6	-.8	4.1
Construction and related machinery	14.0	13.9	13.8	.1	.2
Metalworking machinery	43.5	43.5	41.5	.0	2.0
Special industry machinery	18.2	18.2	17.7	-.1	.5
General industrial machinery	28.6	28.8	28.1	-.2	.5
Office and computing machines	12.0	12.3	12.7	-.3	-.7
Refrigeration and service machinery	16.1	16.5	15.7	-.4	.4
Electric and electronic equipment	85.4	85.0	86.0	.4	-.6
Electrical industrial apparatus	17.6	17.8	17.3	-.2	.3
Household appliances	15.9	15.6	15.9	.4	.1
Electric lighting and wiring equipment	16.5	16.6	17.0	-.1	-.4
Communication equipment	9.2	9.2	9.3	.0	-.1
Transportation equipment	139.4	133.9	140.5	5.4	-1.1
Motor vehicles and equipment	93.9	88.5	93.8	5.4	.1
Aircraft and parts	36.7	36.6	38.4	.1	-1.7
Instruments and related products	24.6	24.6	24.2	.1	.4
Measuring and controlling devices	13.3	13.4	13.3	.0	.0
Nondurable Goods ^f	363.0	360.0	361.6	3.0	1.4
Food and kindred products	64.0	62.6	63.7	1.4	.3
Meat products	8.9	8.9	9.0	-.1	-.1
Dairy products	9.7	9.6	9.8	.0	-.1
Preserved fruits and vegetables	12.3	11.2	11.7	1.1	.6
Bakery products	9.8	9.6	9.7	.2	.1
Beverages	9.1	9.1	9.5	.0	-.5
Apparel and other textile products	16.0	15.5	15.3	.4	.7
Paper and allied products	37.1	37.3	37.0	-.3	.1
Misc. converted paper products	12.0	12.2	11.9	-.1	.1
Paperboard containers and boxes	13.3	13.3	13.1	-.1	.2
Printing and publishing	72.2	72.0	71.4	.2	.9
Newspapers	18.7	18.6	18.8	.1	-.1
Commercial printing	28.4	28.3	27.9	.1	.5
Chemicals and allied products	66.3	66.2	65.4	.1	.9
Industrial inorganic chemicals	8.9	8.8	9.1	.1	-.2
Rubber and misc. plastics products	89.6	88.5	90.6	1.1	-1.0
Tires and inner tubes	14.4	14.4	14.8	.0	-.3
Miscellaneous plastics products	55.3	54.3	55.8	1.0	-.5

See footnotes on page 13.

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Nonmanufacturing	3697.2	3692.0	3577.0	5.2	120.2
Mining	20.1	17.0	19.8	3.1	.3
Bituminous coal and lignite mining	8.0	4.9 ⁱ	7.9	3.2	.1
Oil and gas extraction	6.7	6.7	6.7	.0	.0
Construction	218.5	215.0	202.5	3.5	16.0
General building contractors	54.4	53.8	51.1	.6	3.3
Heavy construction contractors	29.3	28.8	27.2	.5	2.1
Highway and street construction	11.5	11.2	11.0	.3	.6
Special trade contractors	134.8	132.4	124.2	2.4	10.6
Transportation and Public Utilities	217.1	216.0	213.9	1.1	3.2
Railroad transportation	13.0	13.1	13.6	.0	-.5
Transportation, except railroads	116.0	114.9	110.9	1.0	5.1
Trucking and warehousing	78.8	77.9	76.1	.9	2.7
Communication, electric, gas services	88.1	88.1	89.5	.0	-1.4
Communication	45.8	45.7	47.1	.0	-1.4
Electric, gas, and sanitary services	42.4	42.3	42.3	.0	.0
Wholesale Trade	264.0	263.8	256.3	.2	7.8
Wholesale trade-durable goods	167.0	167.0	162.7	-.1	4.2
Motor vehicles & automotive equipment ..	23.3	23.3	22.7	.0	.6
Electrical goods	18.4	18.5	18.4	-.1	.0
Machinery, equipment, and supplies	71.2	71.2	69.5	.1	1.7
Wholesale trade-nondurable goods	97.1	96.8	93.6	.3	3.5
Groceries and related products	30.9	30.8	30.1	.1	.8
Retail Trade	919.0	913.8	886.2	5.1	32.8
General merchandise stores	121.5	120.5	118.6	1.0	2.9
Department stores	103.6	102.8	101.8	.8	1.8
Food stores	146.5	146.4	139.8	.1	6.7
Automotive dealers & service stations	100.5	100.2	97.1	.3	3.4
Apparel and accessory stores	46.8	45.8	44.8	1.0	2.0
Eating and drinking places	314.9	313.3	309.4	1.6	5.5
Finance, Insurance, and Real Estate	259.1	258.5	253.3	.6	5.8
Banking	65.8	65.7	64.7	.2	1.2
Credit agencies other than banks	38.8	38.8	38.5	-.1	.3
Insurance carriers	71.0	70.8	70.0	.2	1.0
Life insurance	26.1	26.1	25.7	.0	.4
Fire, marine, and casualty insurance	31.6	31.5	31.3	.1	.3
Services	1152.4	1151.2	1104.7	1.2	47.7
Hotels and other lodging places	40.3	40.0	38.7	.2	1.5
Personal services	58.3	58.1	56.4	.2	1.9
Laundry, cleaning, & garment services ..	19.4	19.4	18.8	.1	.6
Business services	244.7	243.4	228.0	1.2	16.6
Services to buildings	33.8	33.6	32.5	.2	1.3
Computer and data processing services ..	24.1	23.9	22.0	.2	2.0
Amusement and recreation services	55.4	55.5	55.3	-.1	.0
Health services	385.5	384.5	373.2	1.0	12.3
Nursing and personal care facilities	84.9	84.4	82.4	.4	2.4
Hospitals	187.7	187.6	183.0	.1	4.7
Educational services	50.3	51.6	48.7	-1.3	1.5
Colleges and universities	24.9	25.6	24.0	-.8	.8
Government	646.9	656.5	640.3	-9.6	6.6
Federal government	96.5	96.4	94.5	.2	2.1
State government	137.5	140.9	135.7	-3.4	1.8
State government education	60.2	63.0	59.8	-2.9	.4
State government, except education	77.3	77.9	75.9	-.5	1.5
Local government	412.9	419.2	410.2	-6.4	2.7
Local government education	216.4	221.5	217.6	-5.1	-1.2
Local government, except education	196.5	197.8	192.6	-1.3	4.0

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c
Manufacturing	\$516.11	\$510.72	\$504.98	42.2	42.0	42.4	\$12.23	\$12.16	\$11.91
Durable Goods ^b	532.12	526.66	525.21	42.4	42.2	42.7	12.55	12.48	12.30
Lumber and wood products	336.61	327.22	319.14	41.0	40.1	41.5	8.21	8.16	7.69
Furniture and fixtures	381.71	374.33	382.47	41.4	40.6	41.8	9.22	9.22	9.15
Stone, clay, and glass products	478.66	472.01	457.69	43.2	42.6	42.3	11.08	11.08	10.82
Glass and glassware, pressed or blown	499.80	496.36	503.96	42.5	42.1	43.0	11.76	11.79	11.72
Primary metal industries	610.74	605.52	619.10	43.5	43.5	44.7	14.04	13.92	13.85
Blast furnace and basic steel products	635.15	637.24	649.80	44.2	44.5	45.6	14.37	14.32	14.25
Iron and steel foundries	610.61	589.66	628.34	42.7	42.3	44.5	14.30	13.94	14.12
Nonferrous rolling and drawing	659.28	649.79	622.34	41.7	41.6	41.6	15.81	15.62	14.96
Fabricated metal products	493.58	499.62	500.83	41.2	41.6	42.3	11.98 ^d	12.01	11.84
Cutlery, hand tools, and hardware	508.72	507.09	483.52	40.6	40.6	40.7	12.53	12.49	11.88
Fabricated structural metal products	452.52	447.20	456.45	41.9	41.6	42.5	10.80	10.75	10.74
Metal forgings and stampings	597.18	616.56	616.40	41.1	42.0	43.5	14.53	14.68	14.17
Machinery, except electrical	520.51	521.00	508.26	42.7	42.6	43.0	12.19	12.23	11.82
Construction and related machinery	439.96	427.39	430.96	40.4	39.5	41.8	10.89	10.82	10.31
Metalworking machinery	512.60	510.12	497.45	43.7	43.6	44.1	11.73	11.70	11.28
Special industry machinery	522.51	504.24	488.75	45.2	44.0	43.1	11.56	11.46	11.34
General industrial machinery	552.98	540.09	522.46	42.9	41.9	42.1	12.89	12.89	12.41
Office and computing machines	490.68	467.88	464.03	43.5	42.0	42.3	11.28	11.14	10.97
Refrigeration and service machinery	557.88	574.56	568.43	40.9	42.0	42.2	13.64	13.68	13.47
Electric and electronic equipment	459.79	448.34	464.80	41.2	40.5	41.5	11.16	11.07	11.20
Electrical industrial apparatus	455.94	450.84	489.50	42.1	41.9	44.5	10.83	10.76	11.00
Household appliances	484.76	486.81	481.60	40.6	40.5	40.2	11.94	12.02	11.98
Electric lighting and wiring equipment	465.16	438.08	474.29	40.1	38.7	41.1	11.60	11.32	11.54
Communication equipment	523.31	510.62	462.87	43.0	42.2	39.8	12.17	12.10	11.63
Transportation equipment	686.35	676.24	653.17	43.8	43.6	43.4	15.67	15.51	15.05
Motor vehicles and equipment	709.57	696.86	683.08	44.1	43.8	43.9	16.09	15.91	15.56
Aircraft and parts	637.81	646.76	576.71	43.3	43.7	41.7	14.73	14.80	13.83
Instruments and related products	383.40	384.89	366.03	40.4	40.6	39.7	9.49	9.48	9.22
Measuring and controlling devices	382.57	386.50	356.19	39.4	39.6	38.3	9.71	9.76	9.30
Nondurable Goods [†]	478.72	472.79	460.22	41.7	41.4	41.8	11.48	11.42	11.01
Food and kindred products	463.52	462.00	456.22	42.1	42.0	42.4	11.01	11.00	10.76
Meat products	364.10	360.69	370.96	40.5	40.3	40.9	8.99	8.95	9.07
Dairy products	463.43	468.66	458.39	42.4	42.8	42.8	10.93	10.95	10.71
Preserved fruits and vegetables	501.55	485.39	491.62	43.2	41.7	43.2	11.61	11.64	11.38
Bakery products	474.77	477.95	466.88	39.4	39.5	39.6	12.05	12.10	11.79
Beverages	429.08	441.42	454.53	41.1	42.0	42.4	10.44	10.51	10.72
Apparel and other textile products	288.75	290.67	292.04	37.5	37.7	39.2	7.70	7.71	7.45
Paper and allied products	493.34	491.77	484.96	43.2	43.1	43.3	11.42	11.41	11.20
Misc. converted paper products	433.58	443.89	433.00	42.3	42.6	43.3	10.25	10.42	10.00
Paperboard containers and boxes	426.54	419.92	428.26	41.9	41.7	41.7	10.18	10.07	10.27
Printing and publishing	455.88	449.26	445.61	39.3	39.1	39.4	11.60	11.49	11.31
Newspapers	384.31	372.52	370.33	34.1	33.5	34.1	11.27	11.12	10.86
Commercial printing	451.58	443.19	449.49	40.5	40.4	40.9	11.15	10.97	10.99
Chemicals and allied products	589.78	574.14	549.05	42.8	42.0	42.3	13.78	13.67	12.98
Industrial inorganic chemicals	602.62	593.14	589.95	43.7	43.2	43.7	13.79	13.73	13.50
Rubber and misc. plastics products	451.96	447.72	434.84	42.2	42.0	42.3	10.71	10.66	10.28
Tires and inner tubes	731.93	712.40	681.82	47.1	46.2	46.1	15.54	15.42	14.79
Miscellaneous plastics products	431.39	429.11	413.55	41.6	41.5	41.9	10.37	10.34	9.87

See footnotes on page 13.

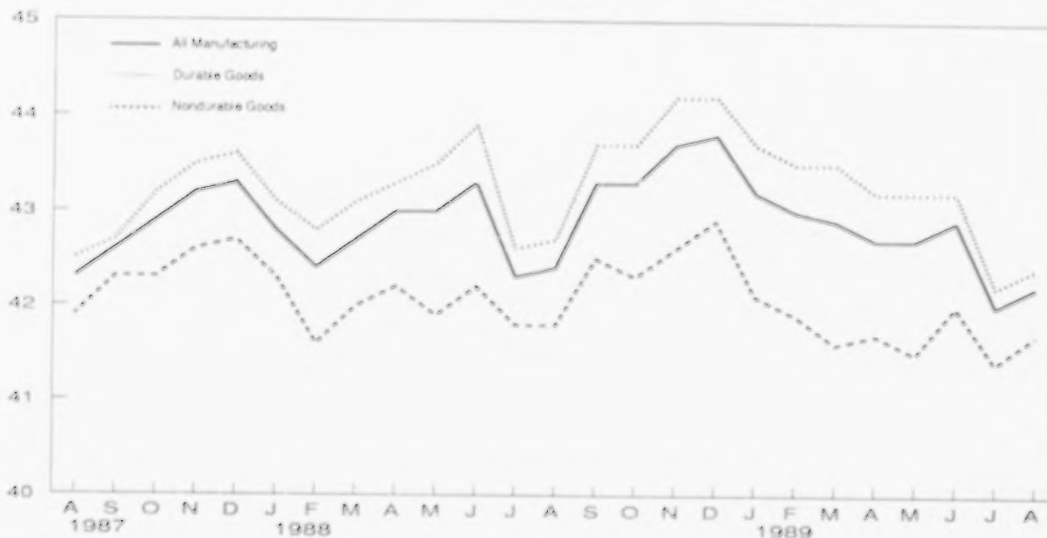
Ohio (continued)

**Hours and Earnings
of Production or
Nonsupervisory
Workers^a**

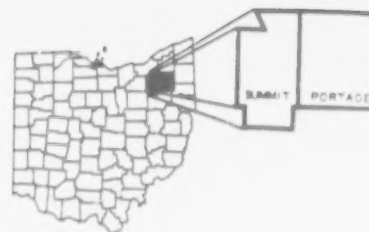
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c
Mining	\$597.64	\$549.13	\$551.15	44.6	44.9	43.5	\$13.40	\$12.23	\$12.67
Bituminous coal and lignite mining	721.31	686.38	672.78	43.4	42.5	42.5	16.62	16.15	15.83
Construction	624.11	615.46	596.69	40.5	40.2	39.7	15.41	15.31	15.03
Transportation and Public Utilities	596.57	599.46	582.91	41.4	41.6	41.4	14.41	14.41	14.08
Communication, electric, gas services	579.92	576.80	567.85	41.1	41.2	41.0	14.11	14.00	13.85
Communication	614.66	625.61	600.85	41.7	42.1	41.9	14.74	14.86	14.34
Electric, gas, and sanitary services									
Wholesale Trade	406.50	407.15	391.95	39.2	39.3	39.0	10.37	10.36	10.05
Wholesale trade-durable goods	395.85	396.87	385.53	39.0	39.1	39.1	10.15	10.15	9.86
Wholesale trade-nondurable goods	424.63	424.51	403.39	39.5	39.6	38.9	10.75	10.72	10.37
Retail Trade ^h	176.35	176.64	168.48	29.1	29.1	29.2	6.06	6.07	5.77
General merchandise stores	184.49	187.87	178.18	29.1	29.4	28.6	6.34	6.39	6.23
Department stores	188.34	192.05	183.74	29.2	29.5	28.8	6.45	6.51	6.38
Finance, Insurance, and Real Estate									
Banking	270.80	271.05	267.91						
Credit agencies other than banks	280.01	279.71	276.60						
Insurance carriers	392.16	388.79	372.50						
Services									
Health services									
Hospitals	351.95	355.45	339.99	32.2	32.7	33.3	10.93	10.87	10.21

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

**Average Weekly Hours of Production Workers
in Ohio Manufacturing Industries**



AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Akron metropolitan area totaled 279,200 in August 1989, increasing 600 above the July level. More business in retail trade and construction outweighed additional layoffs of nonteaching personnel in state schools and colleges. Manufacturing employment, at 66,300, remained unchanged from last month. Improvements in fabricated metal products, nonelectrical machinery, and chemicals and allied products offset losses in rubber and miscellaneous plastics products. Factory production workers averaged \$11.37 per hour, up \$.08 from July. Their average workweek of 42.5 hours was .7 hours longer.

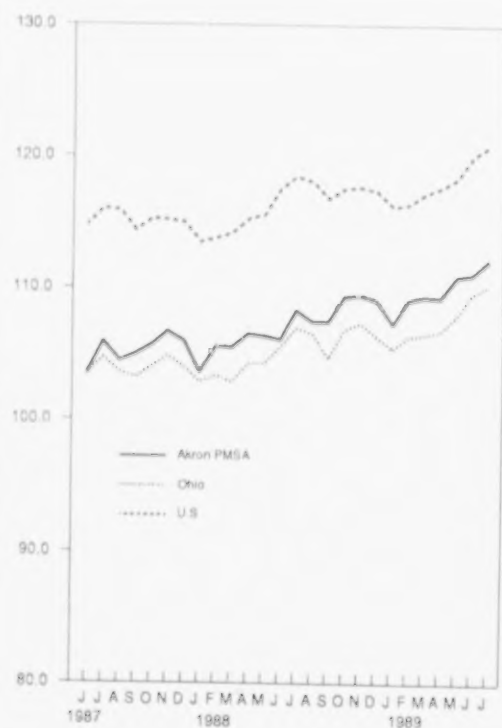
Nonagricultural payroll employment advanced 10,200 between August 1988 and August 1989. Noteworthy expansion occurred in services, especially business services, retail trade, and construction. The manufacturing workforce gained 1,500 jobs over the year due to significant expansion in fabricated metal products and scattered growth among producers of nondurable goods.

Indexes of Total Employment

Akron PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

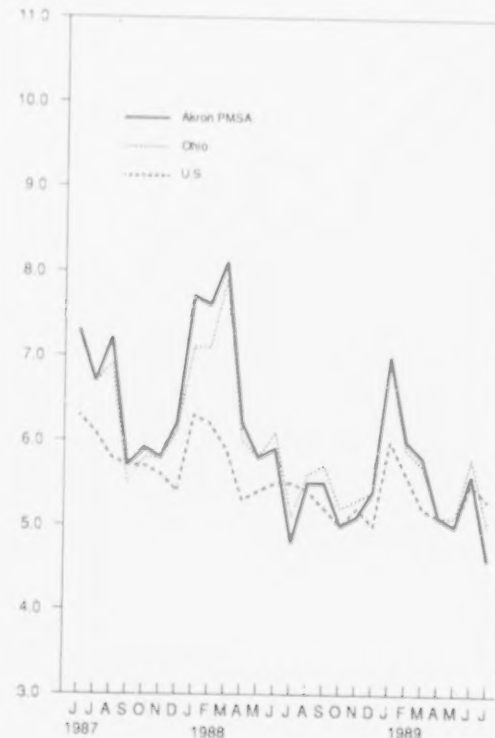


Unemployment Rates

Akron PMSA, Ohio and U.S.

[Not Seasonally Adjusted]

Percent



Akron PMSA Labor Force and Employment Data
 (Employed and Unemployed in Thousands)

Civilian Labor Force			
Total	Employed	Unemployed	
		Total	Rate
298.9	282.2	16.7	5.6
303.8	285.4	18.4	6.1
304.5	278.3	23.2	8.6
304.1	274.9	29.1	9.6
303.9	268.0	35.9	11.8
302.5	265.2	37.3	12.3
316.5	285.8	30.6	9.7
317.8	289.9	28.0	8.8
320.4	294.8	25.6	8.0
320.3	297.5	22.7	7.1
325.3	305.6	19.7	6.0
324.5	309.1	15.5	4.8
324.7	306.7	17.9	5.5
324.8	306.9	17.9	5.5
328.7	312.2	16.5	5.0
329.3	312.4	16.9	5.1
329.3	311.3	17.9	5.4
329.4	306.2	23.2	7.0
331.3	311.4	19.9	6.0
331.2	312.1	19.1	5.8
328.6	311.8	16.7	5.1
333.1	316.5	16.6	5.0
335.7	317.0	18.7	5.6
335.5	320.2	15.3	4.6
INA	INA	INA	INA

1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988

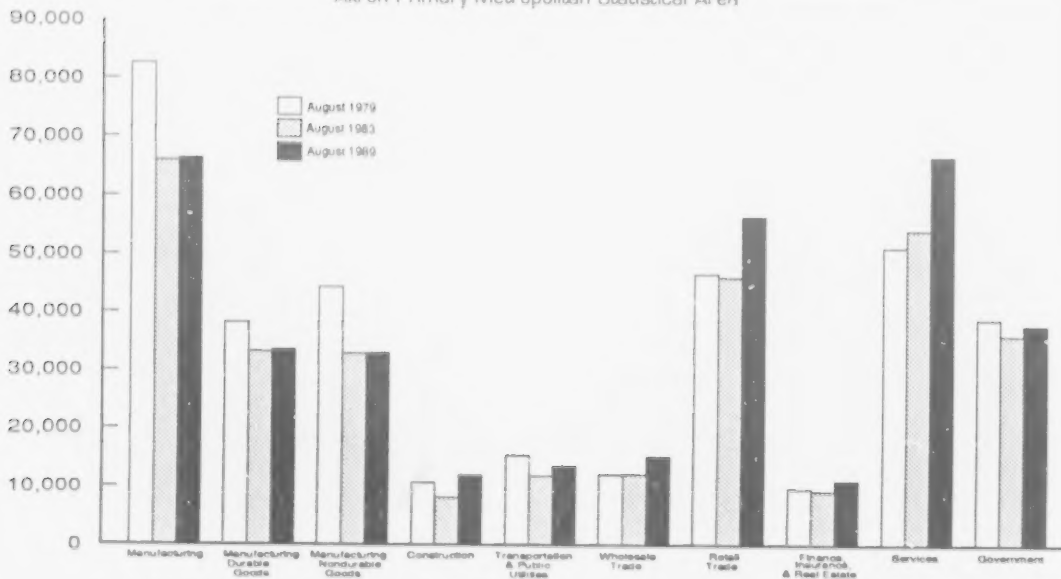
1988
July
August
September
October
November
December

1989
January
February
March
April
May
June
July
August

Nonagricultural Wage & Salary Employment					
Manufacturing Employment					
Manufacturing Production Workers					
Hours & Earnings					
		Average Weekly Earnings		Average Weekly Hours	Average Hourly Earnings
266.6	65.9	49.4	\$304.14	42.3	\$ 7.19
270.9	85.6	53.8	321.57	41.6	7.73
262.4	79.1	47.5	361.88	41.5	8.72
259.5	75.7	43.7	397.10	41.8	9.50
248.8	68.3	36.9	403.03	41.0	9.83
244.7	65.2	33.4	452.12	43.1	10.49
252.2	67.9	38.0	470.65	43.7	10.77
257.6	68.1	37.3	475.20	43.2	11.00
260.7	67.2	36.4	484.70	43.2	11.22
265.1	66.4	36.5	487.03	43.1	11.30
271.9	65.8	37.5	496.37	43.2	11.49
270.6	66.0	37.7	493.93	43.1	11.46
269.0	64.8	36.5	480.53	42.6	11.28
276.8	65.4	37.3	489.89	43.2	11.34
277.2	65.4	37.5	488.78	42.8	11.42
281.7	67.0	39.2	496.78	42.9	11.58
279.7	66.6	39.0	493.06	43.1	11.44
268.3	66.8	39.1	489.77	42.7	11.47
273.8	66.3	38.9	483.36	42.4	11.40
276.6	66.1	38.7	488.49	42.7	11.44
279.0	66.1	38.9	485.18	42.3	11.47
283.1	66.0	38.8	488.62	42.6	11.47
279.7	66.2	38.9	477.14	42.3	11.28
278.6	66.3	38.8	471.92	41.8	11.29
279.2	66.3	38.6	483.23	42.5	11.37

INA - information not available

Employment in Manufacturing and Nonmanufacturing Industries
 Akron Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment^a

Akron PMSA

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	279.2	278.6	269.0	.6	10.2
Manufacturing	66.3	66.3	64.8	.0	1.5
Durable Goods ^e	33.5	33.4	32.6	.1	.9
Fabricated metal products	10.7	10.5	9.6	.1	1.0
Machinery, except electrical	9.7	9.6	9.6	.1	1
Metalworking machinery	3.5	3.5	3.4	.0	1
Non-durable Goods ^f	32.9	32.9	32.3	-.1	.6
Food and kindred products	3.0	3.0	3.0	.0	.0
Chemicals and allied products	3.6	3.6	3.6	.1	.0
Rubber and misc. plastics products	19.4	19.5	19.2	-.1	.2
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing ^g	212.9	212.3	204.2	.6	8.7
Construction	11.9	11.5	10.8	.3	1.0
Transportation and Public Utilities	13.5	13.3	13.1	.1	.4
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	15.1	15.1	14.5	.0	.6
Retail Trade	56.4	56.0	53.7	.4	2.7
General merchandise stores	6.6	6.5	6.4	.1	.1
Finance, Insurance, and Real Estate	11.0	10.9	10.8	.1	.2
Banking	3.2	3.2	3.1	.0	.1
Services	66.7	66.7	63.2	.0	3.5
Business services	15.0	14.8	13.4	.2	1.6
Amusement and recreation services	4.8	4.9	4.1	-.1	.7
Health services	20.5	20.6	20.3	.0	.3
Government	37.6	38.0	37.4	-.4	.3
State government	10.9	11.2	10.6	-.3	.2
State government education ^h	7.8	8.1	7.5	-.3	.3
State government, except education	3.0	3.0	3.1	.0	-.1
Local government	24.2	24.3	24.3	.0	-.1
Local government education	12.3	12.2	12.5	.0	-.2
Local government, except education	11.9	12.0	11.8	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers^a

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c
Manufacturing	\$483.23	\$471.92	\$480.53	42.5	41.8	42.6	\$11.37	\$11.29	\$11.28
Durable Goods ^e	492.26	478.82	470.91	42.4	41.6	41.6	11.61	11.51	11.32
Fabricated metal products	597.80	555.90	581.02	43.1	40.4	41.8	13.87	13.76	13.90
Machinery, except electrical	463.76	465.70	443.56	44.0	44.1	43.7	10.54	10.56	10.15
Metalworking machinery	494.61	489.72	455.88	44.6	44.0	43.5	11.09	11.13	10.48
Nondurable Goods ^f	471.16	465.04	493.00	42.6	42.2	43.9	11.06	11.02	11.23
Food and kindred products	403.32	408.62	455.60	42.1	42.3	42.5	9.58	9.66	10.72
Chemicals and allied products	529.70	484.70	522.97	43.1	40.8	43.8	12.29	11.88	11.94
Rubber and misc. plastics products	500.79	491.99	515.04	44.2	43.5	45.1	11.33	11.31	11.42
Tires and inner tubes	871.63	871.63	827.31	52.1	52.1	51.1	16.73	16.73	16.19
Transportation and Public Utilities									
Communication, electric, gas services	603.20	601.12	582.33	41.6	41.6	41.3	14.50	14.45	14.10
Wholesale Trade	363.53	366.15	354.52	37.4	37.4	37.2	9.72	9.79	9.53
Retail Trade ^h	212.23	213.86	200.26	32.5	32.7	32.3	6.53	6.54	6.20

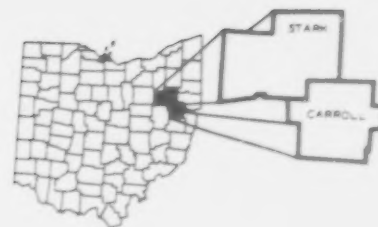
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	August 1989	July 1989	August 1988
Employment Service Program			
New Applicants	2,320	1,275	2,170
Active File of Job Seekers	15,764	14,878	16,667
Referrals to Jobs	1,078	577	1,535
Placements	342	337	488
Job Openings Received	2,892	2,107	712
Job Openings Unfilled	1,684	1,501	2,439
Unemployment Insurance Program			
Initial Claims	2,264	3,084	2,261
Continued Claims	19,702	17,690	19,526
First Payments	1,353	970	1,179
Last Payments	427	384	299
Weeks Compensated	16,163	13,693	15,431
Benefits Paid	\$2,417,806	\$2,255,929	\$2,292,632
Average Weekly Payment	\$156.76	\$157.89	\$152.31

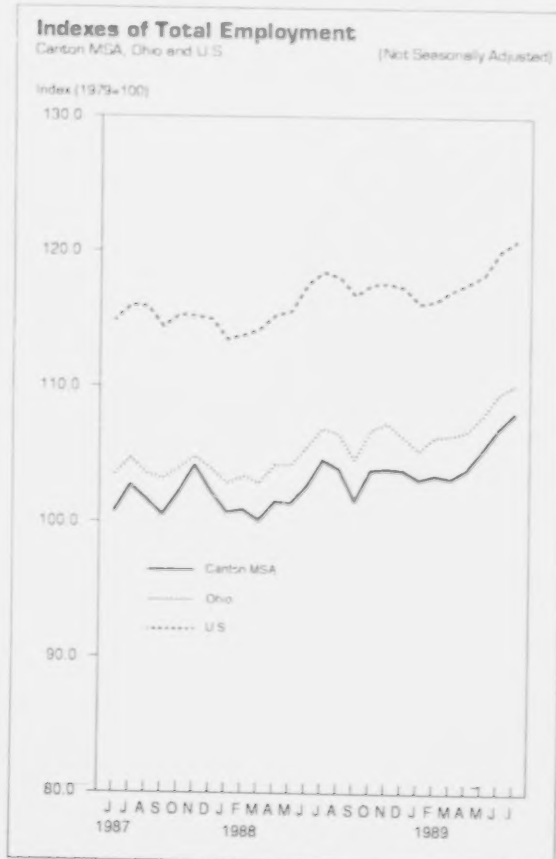
CANTON METROPOLITAN STATISTICAL AREA



Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, total nonfarm payroll employment was 165,300 in August 1989, up 100 from the July level. Growth in primary metal industries raised manufacturing employment 200 to 45,500. Nonmanufacturing employment remained unchanged from last month. Modest gains in retail trade and transportation and public utilities offset declines in local government and construction. Factory production worker average hourly earnings of \$11.86 were \$.13 higher than July. Their average workweek of 42.1 hours was 1.0 hours longer.

Nonagricultural wage and salary employment advanced 5,600 between August 1988 and August 1989. Leading growth industries were services and retail trade. Moderate improvements also occurred in construction and transportation and public utilities. The manufacturing sector added 900 jobs over the year. Growth in primary metal industries and food and kindred products overshadowed reductions in fabricated metal products and rubber and miscellaneous plastics products.

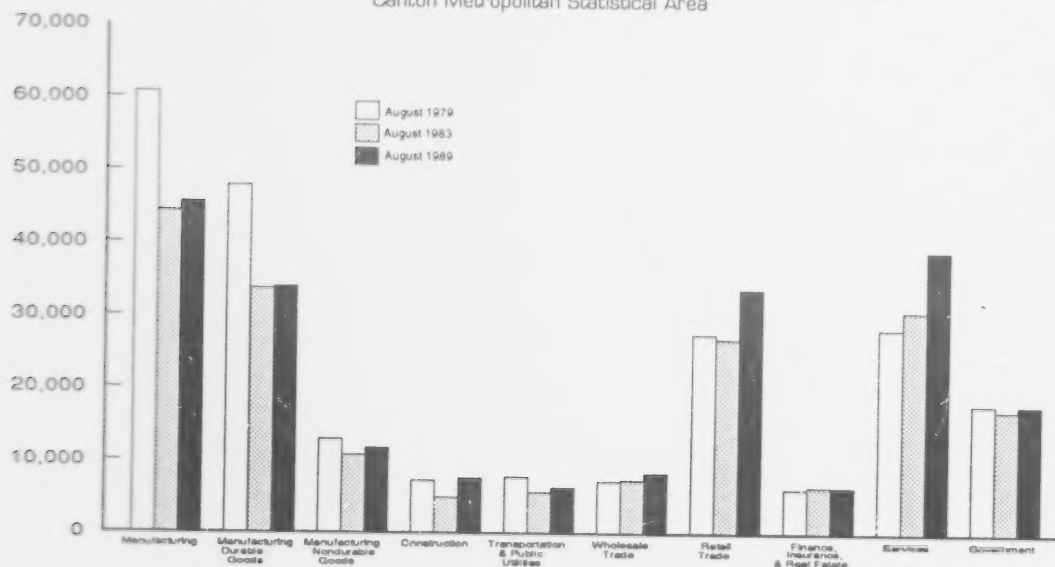


Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed						Manufacturing Employment		
		Total	Rate					Manufacturing Production Workers		
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	\$ 304.67	40.3	\$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	149.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86
199.5	187.9	11.7	5.8	July	165.2	45.4	32.5	482.1	41.1	11.73
INA	INA	INA	INA	August	165.3	45.5	32.6	499.31	42.1	11.86

INA - information not available

Employment in Manufacturing and Nonmanufacturing Industries
Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	165.3	165.2	159.7	.1	5.6
Manufacturing	45.5	45.4	44.7	.2	.9
Durable Goods ^e	33.9	33.6	32.9	.3	1.0
Primary metal industries	11.5	11.3	11.0	.3	.5
Fabricated metal products	6.5	6.5	6.7	.0	-.2
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods ^f	11.7	11.8	11.8	-.1	-.1
Food and kindred products	3.4	3.4	3.3	.0	.1
Rubber and misc. plastics products	2.8	2.8	2.9	.0	-.1
Nonmanufacturing ^g	119.8	119.8	115.1	.0	4.7
Construction	7.5	7.6	6.9	-.1	.7
Transportation and Public Utilities	6.2	6.2	5.9	.1	.4
Communication, electric, gas services	2.7	2.7	2.8	.0	.0
Wholesale Trade	8.2	8.2	8.0	.0	.2
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.0
Retail Trade	33.6	33.3	32.1	.3	1.5
General merchandise stores	4.0	4.0	3.9	.0	.1
Food stores	5.7	5.7	5.5	.0	.3
Finance, Insurance, and Real Estate	6.4	6.4	6.5	.0	-.1
Banking	1.9	1.8	1.9	.0	.0
Services	39.0	39.0	37.2	.0	1.8
Health services	15.5	15.5	15.2	.0	.2
Government	17.7	18.2	17.7	-.4	.1
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.7	15.2	14.5	-.4	.2
Local government education	8.2	8.4	8.2	-.2	.0
Local government, except education	6.5	6.7	6.3	-.2	.2

Canton MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c
Manufacturing	\$499.31	\$482.10	\$474.47	42.1	41.1	42.1	\$11.86	\$11.73	\$11.27
Durable Goods ^e	531.05	512.44	496.72	43.0	41.9	42.6	12.35	12.23	11.66
Primary metal industries	606.13	586.92	576.83	44.7	43.8	45.1	13.56	13.40	12.79
Fabricated metal products	471.62	478.36	432.28	39.9	40.3	40.4	11.82	11.87	10.70
Metal forgings and stampings	546.45	566.09	558.09	39.8	41.2	40.5	13.73	13.74	13.78
Nondurable Goods ^f	398.90	387.93	407.22	39.3	38.6	40.6	10.15	10.05	10.03
Food and kindred products	392.57	399.53	411.95	37.0	37.2	38.5	10.61	10.74	10.70
Rubber and misc. plastics products	402.55	385.52	410.00	41.5	40.2	41.0	9.70	9.59	10.00
Transportation and Public Utilities	592.04	585.48	575.98	41.2	41.0	41.2	14.37	14.28	13.98
Communication, electric, gas services	592.04	585.48	575.98	41.2	41.0	41.2	14.37	14.28	13.98
Wholesale Trade	381.09	378.00	372.59	38.3	37.8	37.0	9.95	10.00	10.07
Retail Trade ^h	165.59	167.03	160.60	28.6	28.7	29.2	5.79	5.82	5.50

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱDepressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

Employment Service Program

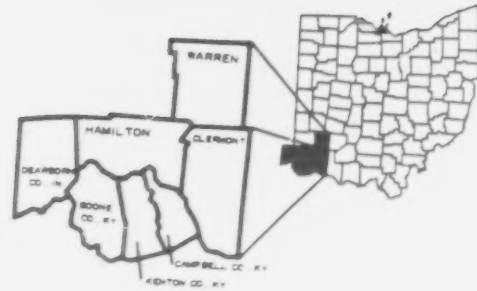
New Applicants	1,232	734	2,182
Active File of Job Seekers	10,760	10,667	13,221
Referrals to Jobs	626	427	1,711
Placements	137	65	385
Job Openings Received	852	448	1,254
Job Openings Unfilled	447	349	2,627

Unemployment Insurance Program

Initial Claims	2,062	2,881	1,717
Continued Claims	13,940	13,450	12,614
First Payments	961	970	740
Last Payments	229	211	209
Weeks Compensated	12,045	10,208	9,501
Benefits Paid	\$1,795,342	\$1,522,318	\$1,301,311
Average Weekly Payment	\$159.65	\$159.86	\$141.37

	August 1989	July 1989	August 1988
New Applicants	1,232	734	2,182
Active File of Job Seekers	10,760	10,667	13,221
Referrals to Jobs	626	427	1,711
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Benefits Paid	\$1,795,342	\$1,522,318	\$1,301,311
Average Weekly Payment	\$159.65	\$159.86	\$141.37

CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area rose 3,000 from July to 736,800 in August 1989. More business in retail trade, services, construction, and transportation and public utilities raised nonmanufacturing employment 2,000. Scattered growth among producers of nondurable goods and the return of workers from vacation shutdowns in transportation equipment increased manufacturing employment 1,100 over the month to 148,500. Factory production workers averaged \$11.60 per hour, up \$.20 from July. Their average workweek was 1.1 hours longer, at 43.3 hours.

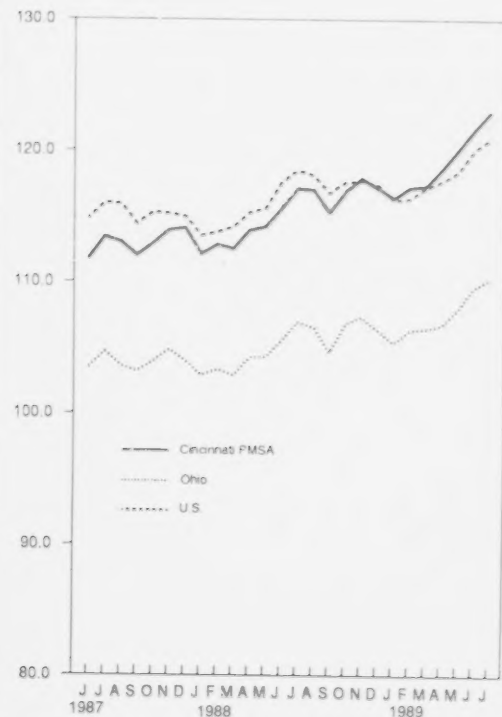
Total nonfarm wage and salary employment advanced 31,700 between August 1988 and August 1989. Leading growth sectors were services, especially business and health services, and retail trade. Significant expansion also occurred in construction, transportation and public utilities, and wholesale trade. Manufacturing employment increased 3,300 during the period. Noteworthy gains were recorded in nonelectrical machinery, food and kindred products, and rubber and miscellaneous plastics products. Employment in transportation equipment declined.

Indexes of Total Employment

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

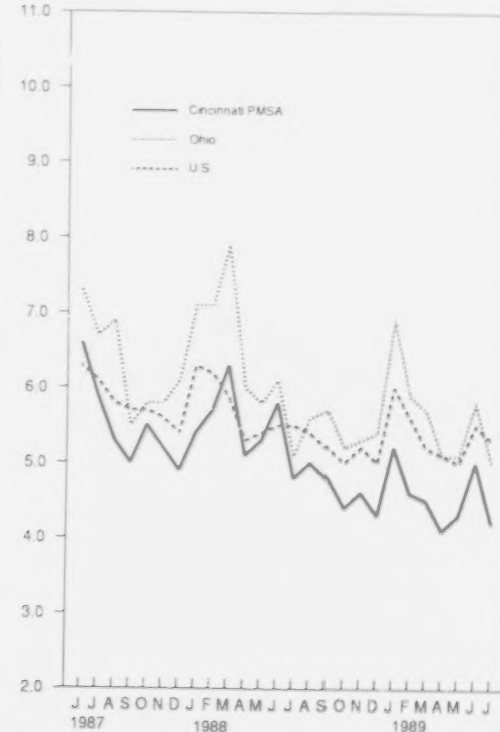


Unemployment Rates

Cincinnati PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

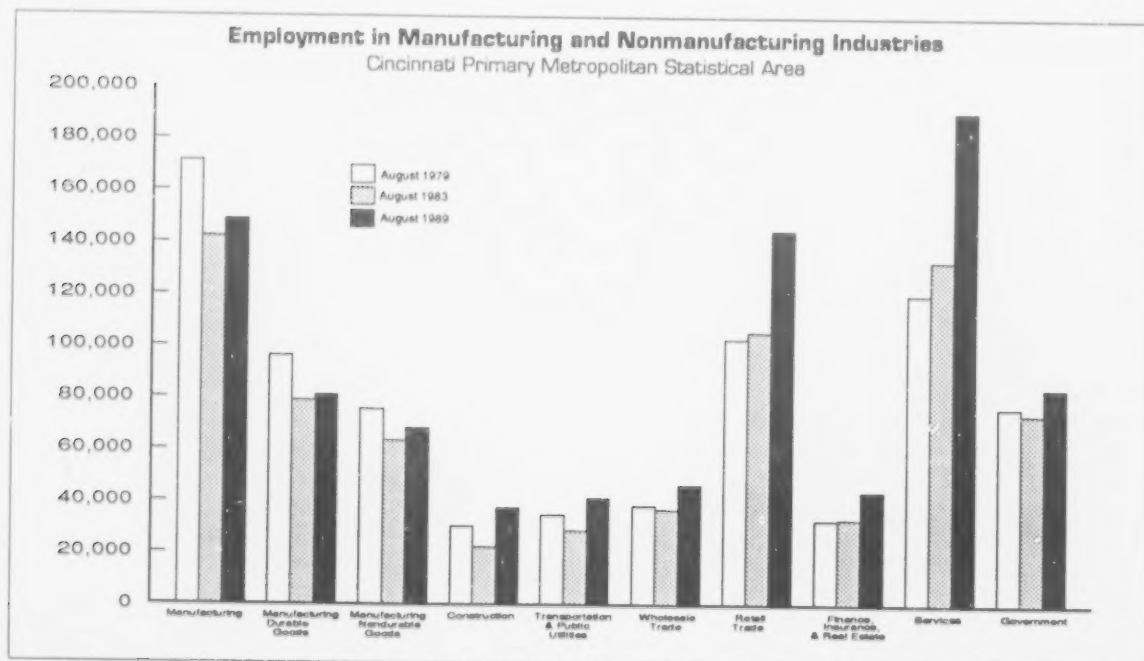
Percent



Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment					
		Total	Rate		Manufacturing Production Workers					
					Hours & Earnings					
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
648.3	615.8	32.5	5.0	1976	591.2	169.2	116.4	\$286.70	42.1	\$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	May	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	June	734.8	147.4	92.9	496.08	43.1	11.51
806.9	772.7	34.2	4.2	July	733.8	147.5	92.7	481.08	42.2	11.40
INA	INA	INA	INA	August	736.8	148.5	93.8	502.28	43.3	11.60

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands) ^e	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	736.8	733.8	705.1	3.0	31.7
Manufacturing	148.5	147.5	145.3	1.1	3.3
Durable Goods ^e	80.5	80.2	79.0	.4	1.6
Fabricated metal products	10.8	10.8	10.7	-.1	.1
Fabricated structural metal products	3.7	3.7	3.8	.0	-.1
Machinery, except electrical	21.5	21.8	20.8	-.3	.6
Metalworking machinery	8.9	8.9	8.8	-.1	.1
General industrial machinery	3.0	3.1	3.0	-.1	.0
Electric and electronic equipment	9.0	9.0	8.7	.0	.3
Transportation equipment	24.0	23.4	24.3	.6	-.3
Motor vehicles and equipment	4.9	4.5	5.0	.4	.0
Nondurable Goods ^f	68.0	67.3	66.3	.7	1.7
Food and kindred products	13.4	13.3	12.9	.2	.6
Beverages	3.5	3.5	3.6	.0	-.1
Apparel and other textile products	3.6	3.5	3.4	.1	.3
Paper and allied products	6.2	6.2	6.0	.0	.3
Printing and publishing	13.5	13.4	13.2	.1	.3
Commercial printing	6.3	6.2	6.0	.0	.3
Chemicals and allied products	22.8	22.9	22.7	-.1	.1
Rubber and misc. plastics products	6.3	6.0	5.9	.2	.4
Nonmanufacturing ^g	588.3	586.3	559.8	2.0	28.4
Construction	37.4	36.9	33.8	.5	3.5
Transportation and Public Utilities	41.2	40.8	38.2	.4	2.9
Trucking and warehousing	11.9	11.7	10.8	.2	1.1
Communication, electric, gas services	16.2	16.1	15.6	.1	.6
Wholesale Trade	46.2	46.2	44.6	.0	1.7
Wholesale trade-durable goods	27.1	27.1	26.5	.0	.6
Retail Trade	144.8	143.9	136.6	.9	8.2
General merchandise stores	20.4	20.3	20.0	.1	.4
Finance, Insurance, and Real Estate	43.9	43.9	42.8	.0	1.0
Banking	9.6	9.6	9.2	.0	.4
Insurance carriers	14.4	14.5	14.5	.0	-.1
Services	190.7	190.1	181.0	.6	9.7
Hotels and other lodging places	8.3	8.2	7.9	.1	.4
Personal services	9.6	9.5	8.9	.1	.7
Business services	48.6	47.8	43.8	.8	4.8
Amusement and recreation services	12.4	12.7	12.7	-.3	-.3
Health services	55.7	55.6	54.5	.1	1.2
Hospitals	26.6	26.6	26.0	.0	.5
Government	83.6	84.0	82.4	-.4	1.2
Federal government	15.2	15.2	15.0	.0	.2
State government	19.3	19.0	18.6	.3	.7
State government education ^h	11.0	10.8	10.7	.3	.3
State government, except education	8.3	8.3	7.9	.0	.4
Local government	49.1	49.7	48.8	-.7	.3
Local government education	24.6	25.0	25.3	-.4	-.8
Local government, except education	24.5	24.8	23.4	-.3	1.1

Cincinnati PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c
Manufacturing	\$502.28	\$481.08	\$476.15	43.3	42.2	42.4	\$11.60	\$11.40	\$11.23
Durable Goods ^e	486.49	462.04	470.30	42.9	41.7	42.6	11.34	11.08	11.04
Fabricated metal products	426.54	408.66	425.70	42.4	41.7	42.4	10.06	9.80	10.04
Fabricated structural metal products	464.38	473.24	483.06	43.4	43.9	45.4	10.70	10.78	10.64
Machinery, except electrical	437.22	431.18	429.25	42.0	41.7	42.5	10.41	10.34	10.10
Metalworking machinery	484.09	487.26	492.62	43.3	43.7	44.5	11.18	11.15	11.07
General industrial machinery	434.08	421.06	390.82	41.9	40.8	41.4	10.36	10.32	9.44
Electric and electronic equipment	367.11	363.29	338.05	40.7	40.5	39.4	9.02	8.97	8.58
Transportation equipment	774.32	701.96	701.24	47.1	43.6	45.3	16.44	16.10	15.48
Motor vehicles and equipment	904.24	700.04	845.23	50.8	40.7	49.4	17.80	17.20	17.11
Nondurable Goods ^f	516.22	498.85	482.22	43.6	42.6	42.3	11.84	11.71	11.40
Food and kindred products	524.21	511.69	511.69	44.2	43.4	43.4	11.86	11.79	11.79
Beverages	535.92	527.90	522.08	42.0	41.6	41.8	12.76	12.69	12.49
Apparel and other textile products	236.96	235.32	215.87	37.2	37.0	36.9	6.37	6.36	5.85
Paper and allied products	461.17	478.49	439.78	43.1	44.1	43.2	10.70	10.85	10.18
Printing and publishing	476.83	467.31	462.92	41.0	40.6	40.5	11.63	11.51	11.43
Commercial printing	499.36	487.90	510.40	42.9	42.5	44.0	11.64	11.48	11.60
Chemicals and allied products	648.57	600.74	579.31	45.9	43.5	43.2	14.13	13.81	13.41
Rubber and misc. plastics products	431.36	413.60	398.61	44.7	43.4	43.0	9.65	9.53	9.27
Transportation and Public Utilities	600.29	589.35	575.87	41.6	41.3	41.4	14.43	14.27	13.91
Communication, electric, gas services	600.29	589.35	575.87	41.6	41.3	41.4	14.43	14.27	13.91
Wholesale Trade	418.14	414.80	410.66	40.4	40.0	40.7	10.35	10.37	10.09
Retail Trade ^h	174.05	173.46	169.02	29.6	29.5	29.6	5.88	5.88	5.71
Finance, Insurance, and Real Estate	262.76	267.73	262.51						
Banking	262.76	267.73	262.51						

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

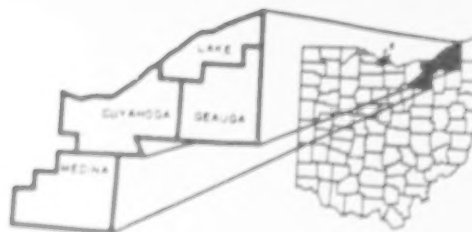
Selected Administrative Program Activities^a

Cincinnati PMSA

	August 1989	July 1989	August 1988
Employment Service Program			
New Applicants	3,510	2,072	3,216
Active File of Job Seekers	20,248	17,382	21,714
Referrals to Jobs	2,046	1,255	2,236
Placements	464	364	333
Job Openings Received	2,754	1,743	1,655
Job Openings Unfilled	1,911	1,554	2,857
Unemployment Insurance Program			
Initial Claims	3,057	4,085	3,492
Continued Claims	30,544	28,757	35,651
First Payments	1,587	1,565	1,886
Last Payments	579	684	723
Weeks Compensated	25,364	23,946	26,963
Benefits Paid	\$3,788,722	\$3,659,187	\$4,004,749
Average Weekly Payment	\$153.61	\$157.04	\$150.47

^aOhio data only

CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Cleveland metropolitan area declined 2,500 from July to 931,100 in August 1989. Additional layoffs of nonteaching personnel in local schools and colleges lowered nonmanufacturing employment 3,600. Manufacturing employment increased 1,100 over the month to 203,800. Modest gains in transportation equipment, food and kindred products, and chemicals and allied products overshadowed reductions in fabricated metal products and instruments and related products. Factory production workers averaged \$11.88 per hour, up \$.11 from July. Their average workweek of 42.5 hours was .7 hours longer.

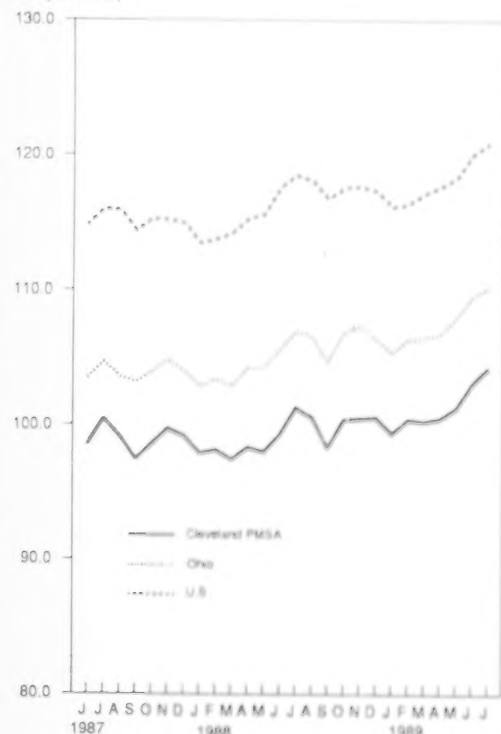
Nonagricultural wage and salary employment advanced 23,700 between August 1988 and August 1989. The leading growth industry was services (+11,100) with notable gains in business and health services. Significant expansion was also recorded in retail trade, finance, insurance, and real estate, wholesale trade, and construction. The manufacturing sector added 2,900 workers during the period. Moderate improvements occurred in nonelectrical machinery, primary metal industries, food and kindred products, chemicals and allied products, and fabricated metal products. Employment in transportation equipment and rubber and miscellaneous plastics products declined.

Indexes of Total Employment

Cleveland PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

Index (1979=100)

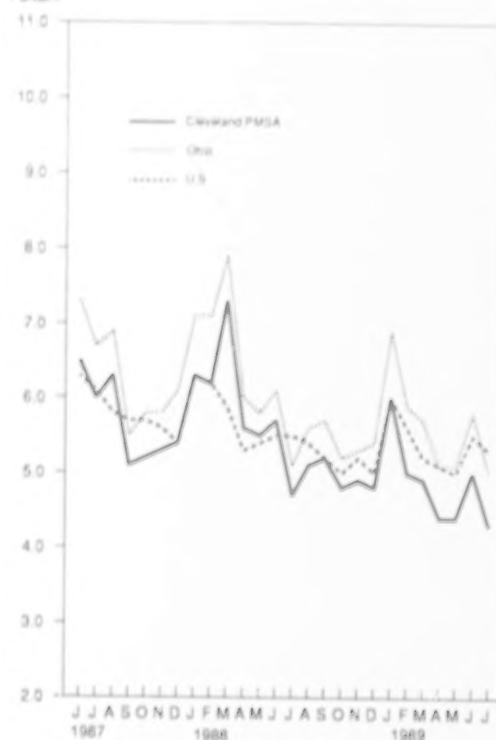


Unemployment Rates

Cleveland PMSA, Ohio and U.S.

(Not Seasonally Adjusted)

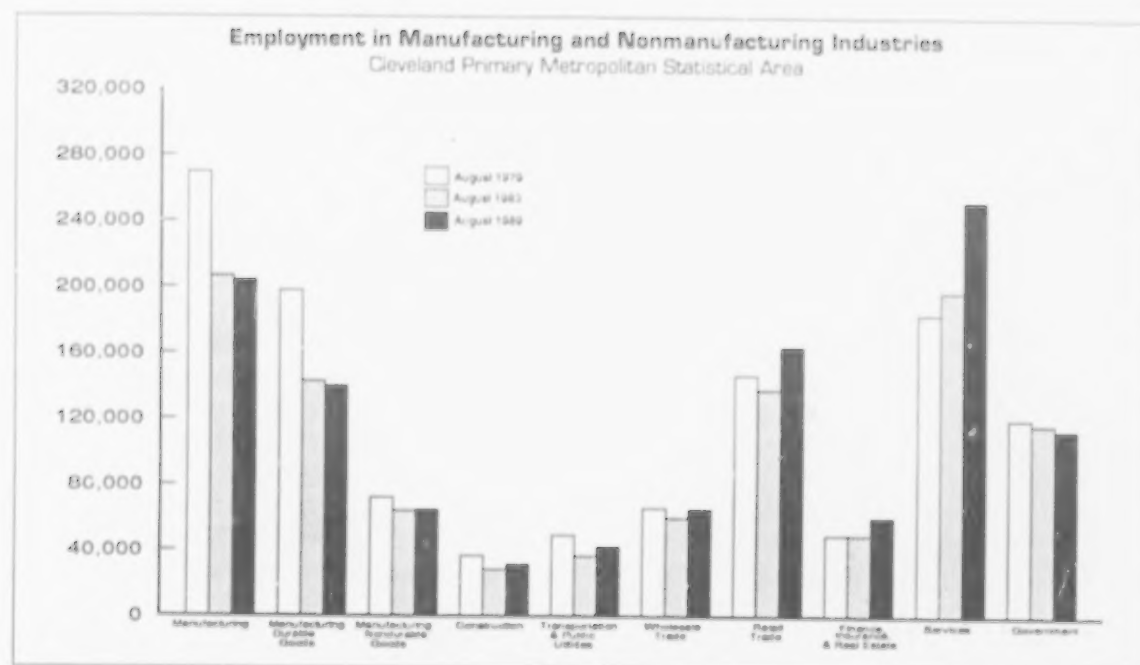
Percent



Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
					Manufacturing Employment			Manufacturing Production Workers		
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
Total	Employed	Unemployed	Rate							
Total		Total								
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	\$321.75	42.9	\$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.60	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	May	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	June	934.5	205.0	131.7	517.44	43.3	11.95
968.6	927.3	41.3	4.3	July	933.6	202.7	129.6	491.99	41.8	11.77
INA	INA	INA	INA	August	931.1	203.8	130.4	504.90	42.5	11.88

INA - information not available



Nonagricultural Wage and Salary Employment^a

Cleveland PMSA

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	931.1	933.6	907.4	-2.5	23.7
Manufacturing	203.8	202.7	200.9	1.1	2.9
Durable Goods ^e	139.3	138.9	137.5	.5	1.8
Primary metal industries	21.6	21.5	21.1	.1	.6
Iron and steel foundries	4.3	4.5	4.4	-.2	-.1
Fabricated metal products	32.2	32.4	31.8	-.2	.4
Fabricated structural metal products	4.1	4.1	3.8	.0	.3
Screw machine products, bolts, etc.	4.9	4.9	4.8	.0	.0
Metal forgings and stampings	10.5	10.6	10.6	-.1	-.1
Machinery, except electrical	30.7	30.6	29.8	.1	.8
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	10.5	10.4	9.9	.0	.5
Special industry machinery	2.7	2.6	2.7	.1	.0
General industrial machinery	3.3	3.3	3.1	.0	.2
Electric and electronic equipment	17.9	17.9	18.0	.0	-.1
Electrical industrial apparatus	6.7	6.7	6.5	.0	.2
Transportation equipment	18.8	18.3	19.3	.5	-.5
Motor vehicles and equipment	11.9	11.4	12.1	.5	-.2
Instruments and related products	6.4	6.5	6.4	-.1	.0
Measuring and controlling devices	4.5	4.5	4.3	.0	.1
Nondurable Goods ^f	64.5	63.9	63.4	.7	1.1
Food and kindred products	6.4	6.1	6.0	.3	.5
Apparel and other textile products	3.4	3.4	3.5	.0	-.1
Paper and allied products	5.9	5.8	6.0	.1	-.1
Printing and publishing	16.3	16.2	16.0	.1	.3
Chemicals and allied products	15.5	15.4	15.1	.2	.5
Rubber and misc. plastics products	11.2	11.3	11.4	.0	-.2
Nonmanufacturing ^g	727.2	730.9	706.5	-3.6	20.8
Construction	31.3	31.0	30.2	.3	1.1
Transportation and Public Utilities	41.9	41.7	41.8	.2	.1
Trucking and warehousing	12.6	12.4	12.2	.2	.3
Communication, electric, gas services	17.3	17.3	17.7	.0	-.4
Wholesale Trade	64.7	64.7	63.3	.0	1.4
Wholesale trade-durable goods	44.9	44.9	44.0	.1	.9
Retail Trade	163.5	163.3	158.6	.2	4.9
General merchandise stores	20.6	20.6	19.9	-.1	.7
Finance, Insurance, and Real Estate	59.7	59.6	58.0	.1	1.7
Banking	14.6	14.6	14.5	.0	.1
Credit agencies other than banks	9.0	9.1	8.9	-.1	.1
Insurance carriers	14.7	14.7	14.1	.1	.6
Services	252.0	252.0	240.9	.0	11.1
Business services	59.4	59.3	55.7	.0	3.7
Amusement and recreation services	9.8	9.7	9.5	.1	.3
Health services	79.6	79.6	77.3	.0	2.4
Hospitals	44.5	44.4	43.7	.0	.8
Government	113.1	117.5	112.6	-4.5	.4
Federal government	20.6	20.7	20.9	-.1	-.3
State government	7.7	7.9	7.9	-.2	-.2
State government education	2.4	2.6	2.6	-.2	-.2
State government, except education	5.3	5.3	5.3	.0	.0
Local government	84.8	89.0	83.9	-4.2	.9
Local government education	37.3	41.1	37.6	-3.8	-.3
Local government, except education	47.5	47.9	46.3	-.4	1.2

Cleveland PMSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c
Manufacturing	\$504.90	\$491.99	\$503.43	42.5	41.8	42.7	\$11.88	\$11.77	\$11.79
Durable Goods ^d	528.10	516.86	541.88	42.9	42.4	43.7	12.31	12.19	12.40
Primary metal industries	519.59	543.31	586.74	42.8	44.1	46.2	12.14	12.32	12.70
Iron and steel foundries	767.60	774.98	887.54	45.1	45.4	50.4	17.02	17.07	17.61
Fabricated metal products	524.78	496.34	536.92	42.7	41.5	43.3	12.29	11.96	12.40
Fabricated structural metal products	440.66	417.63	391.82	42.7	42.1	39.9	10.32	9.92	9.82
Screw machine products, bolts, etc.	523.58	518.23	533.57	43.2	42.9	44.8	12.12	12.08	11.91
Metal forgings and stampings	650.69	588.35	691.38	43.7	41.0	46.0	14.89	14.35	15.03
Machinery, except electrical	510.18	505.90	489.10	42.8	42.8	42.2	11.92	11.82	11.59
Construction and related machinery	417.25	426.36	397.11	43.6	44.0	43.4	9.57	9.69	9.15
Metalworking machinery	504.14	498.37	453.47	43.2	43.0	41.3	11.67	11.59	10.98
Special industry machinery	484.72	468.63	463.08	41.5	41.0	40.8	11.68	11.43	11.35
General industrial machinery	497.21	485.78	488.17	42.9	42.8	43.9	11.59	11.35	11.12
Electric and electronic equipment	454.16	447.53	449.36	41.1	40.5	41.0	11.05	11.05	10.96
Electrical industrial apparatus	517.88	510.62	524.21	42.8	42.2	44.5	12.10	12.10	11.78
Transportation equipment	708.05	684.78	747.65	44.7	43.7	47.2	15.84	15.67	15.84
Motor vehicles and equipment	799.26	768.39	835.50	46.2	44.7	48.1	17.30	17.19	17.37
Instruments and related products	422.77	420.84	400.82	41.9	42.0	40.9	10.09	10.02	9.80
Measuring and controlling devices	475.00	461.60	447.88	43.9	43.1	42.9	10.82	10.71	10.44
Nondurable Goods ^e	444.80	431.07	411.46	41.3	40.4	40.3	10.77	10.67	10.21
Food and kindred products	458.22	428.13	409.94	42.0	39.9	41.2	10.91	10.73	9.95
Apparel and other textile products	315.06	332.84	318.01	35.6	36.9	38.5	8.85	9.02	8.26
Paper and allied products	457.97	452.79	463.80	41.9	41.2	41.3	10.93	10.99	11.23
Printing and publishing	428.85	411.34	374.53	38.6	37.6	35.3	11.11	10.94	10.61
Chemicals and allied products	548.81	539.95	499.79	43.8	43.3	42.9	12.53	12.47	11.65
Rubber and misc. plastics products	385.28	367.33	387.47	43.0	41.6	43.1	8.96	8.83	8.99
Transportation and Public Utilities	624.25	638.06	612.79	41.7	42.2	41.8	14.97	15.12	14.66
Communication, electric, gas services	624.25	638.06	612.79	41.7	42.2	41.8	14.97	15.12	14.66
Wholesale Trade	441.78	439.77	418.65	39.2	39.3	38.8	11.27	11.19	10.79
Retail Trade ^h	187.21	189.68	188.47	27.9	28.1	28.6	6.71	6.75	6.59
Finance, Insurance, and Real Estate	305.39	306.76	302.51	30.6	30.6	32.0	11.48	11.44	10.72
Banking	305.39	306.76	302.51	30.6	30.6	32.0	11.48	11.44	10.72
Services	351.29	350.06	343.04	30.6	30.6	32.0	11.48	11.44	10.72
Health services	351.29	350.06	343.04	30.6	30.6	32.0	11.48	11.44	10.72
Hospitals	351.29	350.06	343.04	30.6	30.6	32.0	11.48	11.44	10.72

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

Employment Service Program

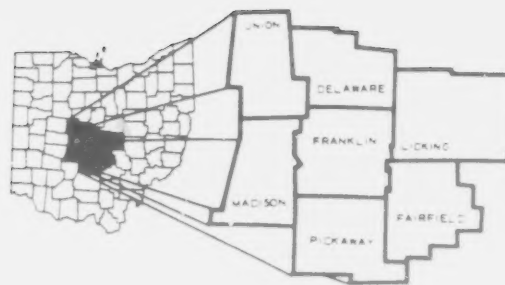
New Applicants	5,155	2,927	4,908
Active File of Job Seekers	52,176	47,519	55,837
Referrals to Jobs	2,502	1,325	2,804
Placements	838	237	902
Job Openings Received	3,786	2,052	1,890
Job Openings Unfilled	3,191	3,624	4,549

Unemployment Insurance Program

Initial Claims	5,401	6,385	5,055
Continued Claims	48,375	44,621	51,630
First Payments	2,873	2,426	3,195
Last Payments	878	835	943
Weeks Compensated	39,194	34,244	40,639
Benefits Paid	\$6,097,840	\$5,320,096	\$6,053,107
Average Weekly Payment	\$160.39	\$160.15	\$151.57

	August 1989	July 1989	August 1988
August 1989	5,155	2,927	4,908
July 1989	52,176	47,519	55,837
August 1988	2,502	1,325	2,804
	838	237	902
	3,786	2,052	1,890
	3,191	3,624	4,549
	5,401	6,385	5,055
	48,375	44,621	51,630
	2,873	2,426	3,195
	878	835	943
	39,194	34,244	40,639
	\$6,097,840	\$5,320,096	\$6,053,107
	\$160.39	\$160.15	\$151.57

COLUMBUS METROPOLITAN STATISTICAL AREA



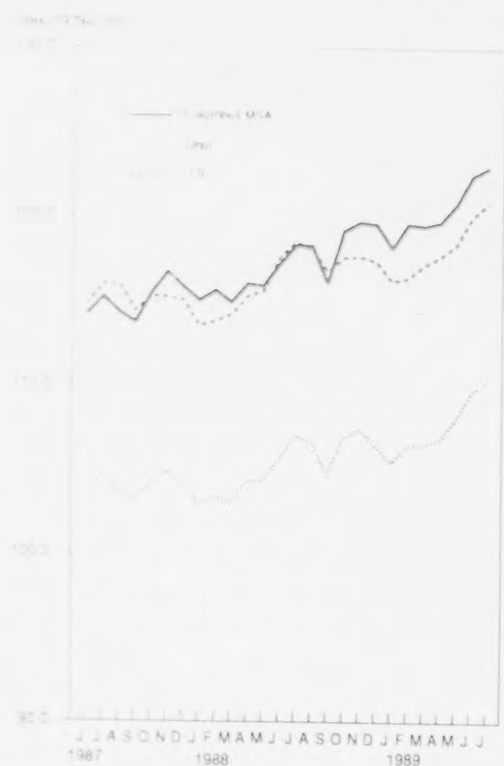
In the Columbus metropolitan area, nonfarm payroll employment totaled 701,800 in August 1989, increasing 2,700 above the July level. More business in retail trade and construction accounted for the improvement. Manufacturing employment remained unchanged from July, at 103,200. Declines in nonelectrical machinery and printing and publishing negated increases in fabricated metal products and stone, clay, and glass products. Factory production workers averaged \$12.00 per hour, down fractionally from last month. Their average workweek of 41.6 hours was .3 hours longer.

Nonagricultural wage and salary employment advanced 25,100 between August 1988 and August 1989. Services, particularly business and health services, retail trade, and construction provided 75.3 percent of the improvement. Noteworthy gains were also registered in wholesale trade, finance, insurance, and real estate, government, and transportation and public utilities. Manufacturing employment rose 400 over the year with modest growth in transportation equipment, printing and publishing, fabricated metal products, and instruments and related products.

Indexes of Total Employment

Columbus MSA, Ohio, and U.S.

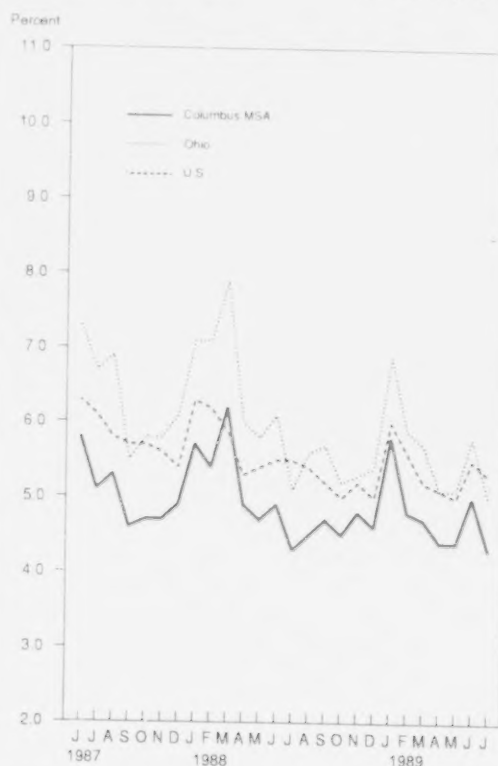
[Not Seasonally Adjusted]



Unemployment Rates

Columbus MSA, Ohio, and U.S.

[Not Seasonally Adjusted]

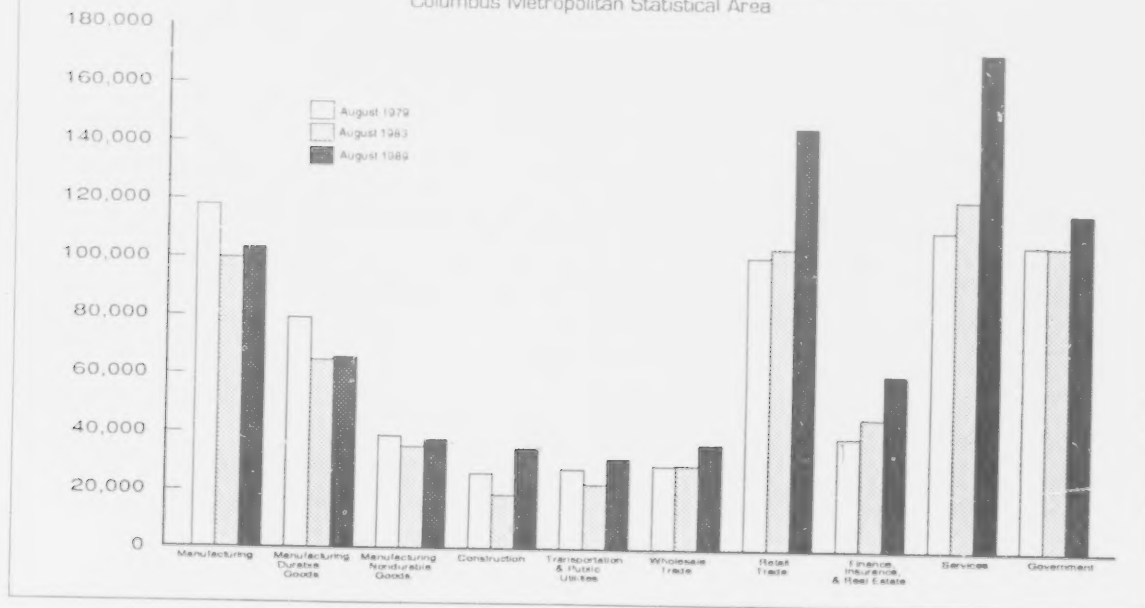


Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed			Manufacturing Employment		Manufacturing Production Workers			
		Total	Rate		Hours & Earnings					
					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings			
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	July	699.2	103.2	67.5	496.43	41.3	12.02
INA	INA	INA	INA	August	701.8	103.2	67.6	499.2	41.6	12.00

INA - information not available

Employment in Manufacturing and Nonmanufacturing Industries
Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	701.8	699.2	676.7	2.7	25.1
Manufacturing	103.2	103.2	102.8	.0	.4
Durable Goods ^e	65.7	65.6	65.1	.1	.6
Stone, clay, and glass products	10.0	9.9	10.1	.1	-.1
Glass and glassware, pressed or blown	3.2	3.1	3.2	.0	.0
Fabricated metal products	9.2	9.0	9.0	.2	.2
Fabricated structural metal products	2.5	2.5	2.5	.0	.0
Machinery, except electrical	9.4	9.7	9.7	-.3	-.2
Electric and electronic equipment	10.7	10.7	10.6	0	0
Transportation equipment	13.4	13.3	12.9	0	.5
Instruments and related products	4.4	4.4	4.1	0	.2
Nondurable Goods ^f	37.5	37.6	37.7	-.1	-.2
Food and kindred products	10.3	10.3	10.4	0	0
Printing and publishing	10.7	10.8	10.4	-.1	.3
Chemicals and allied products	6.9	6.8	6.9	0	0
Rubber and misc. plastics products	5.4	5.4	5.5	.0	-.1
Nonmanufacturing ^g	598.6	596.0	573.9	2.7	24.7
Construction	34.6	33.9	31.2	.7	3.4
Transportation and Public Utilities	31.3	30.9	30.0	.4	1.3
Trucking and warehousing	13.5	13.1	12.5	.3	1.0
Communication, electric, gas services	11.8	11.8	12.1	.0	-.3
Wholesale Trade	36.4	36.4	34.8	-.1	1.5
Wholesale trade-durable goods	23.3	23.4	22.5	-.1	.8
Retail Trade	145.8	144.5	139.4	1.3	6.4
General merchandise stores	20.2	19.8	20.3	.4	.0
Finance, Insurance, and Real Estate	60.7	60.4	59.2	.3	1.5
Banking	12.0	11.9	11.6	.1	.4
Insurance carriers	23.9	23.8	23.4	.1	.5
Services	172.0	171.6	162.9	.4	9.1
Business services	42.0	41.5	38.3	.5	3.7
Health services	43.3	43.2	41.7	.1	1.7
Hospitals	19.9	19.8	19.1	.1	.7
Government	117.0	117.3	115.5	-.3	1.5
Federal government	15.3	15.2	15.2	.1	.1
State government	50.9	51.2	50.3	-.2	.7
State government education ^h	18.0	18.1	18.6	.0	-.5
State government, except education	32.9	33.1	31.7	-.2	1.2
Local government	50.7	50.9	50.0	.2	.7
Local government education	28.1	28.3	27.9	-.1	.2
Local government, except education	22.6	22.7	22.1	-.1	.5

Columbus MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c
Manufacturing	\$499 20	\$496 43	\$471 65	41 6	41 3	40 8	\$12 00	\$12 02	\$11 56
Durable Goods ^e	503 78	503 01	477 41	41 6	41 4	40 7	12 11	12 15	11 73
Stone, clay, and glass products	535 34	538 01	475 59	44 5	44 5	40 1	12 03	12 09	11 86
Glass and glassware, pressed or blown	451 44	457 87	425 23	41 8	41 7	39 3	10 80	10 98	10 82
Fabricated metal products	491 04	513 30	508 00	39 6	40 9	41 1	12 40	12 55	12 36
Fabricated structural metal products	449 52	457 37	481 98	40 1	40 8	43 5	11 21	11 21	11 08
Machinery, except electrical	479 09	481 92	447 26	42 7	42 2	41 8	11 22	11 42	10 70
Electric and electronic equipment	479 23	457 41	448 40	41 1	39 5	40 0	11 66	11 58	11 21
Transportation equipment	589 22	594 03	565 24	41 7	42 1	40 9	14 13	14 11	13 82
Instruments and related products	422 40	416 99	405 34	40 0	39 6	38 9	10 56	10 53	10 42
Nondurable Goods ^f	490 05	483 75	461 85	41 6	41 1	41 2	11 78	11 77	11 21
Food and kindred products	451 02	454 26	456 20	41 8	42 1	41 7	10 79	10 79	10 94
Printing and publishing	589 99	575 24	548 06	40 3	39 4	39 6	14 64	14 60	13 84
Chemicals and allied products	593 61	585 31	533 95	42 1	41 6	41 2	14 10	14 07	12 96
Rubber and misc. plastics products	381 55	373 50	360 71	42 3	41 5	41 7	9 02	9 00	8 65
Transportation and Public Utilities	601 95	598 02	601 68	41 6	41 5	41 9	14 47	14 41	14 36
Communication, electric, gas services	363 43	362 70	344 66	37 7	37 9	37 1	9 64	9 57	9 29
Wholesale Trade	191 03	189 90	184 93	28 9	28 6	29 4	6 61	6 64	6 29
Retail Trade ^h	273 18	274 37	267 29	34 7	34 4	34 5	11 10	11 00	10 02
Finance, Insurance, and Real Estate									
Banking									
Services									
Health services									
Hospitals									

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

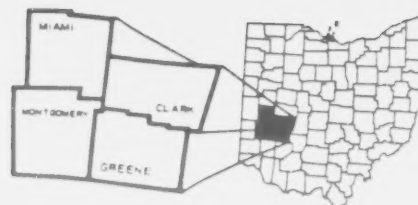
Employment Service Program

	August 1989	July 1989	August 1988
New Applicants	6,133	3,768	5,224
Active File of Job Seekers	31,350	26,073	28,669
Referrals to Jobs	2,829	1,417	3,926
Placements	1,126	604	1,227
Job Openings Received	5,352	3,351	2,182
Job Openings Unfilled	3,593	3,532	2,671

Unemployment Insurance Program

	August 1989	July 1989	August 1988
Initial Claims	4,259	4,580	4,212
Continued Claims	33,174	31,152	31,363
First Payments	2,028	1,960	2,188
Last Payments	764	643	649
Weeks Compensated	27,484	24,574	24,538
Benefits Paid	\$4,250,232	\$3,829,962	\$3,647,944
Average Weekly Payment	\$163 19	\$164 14	\$151 62

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



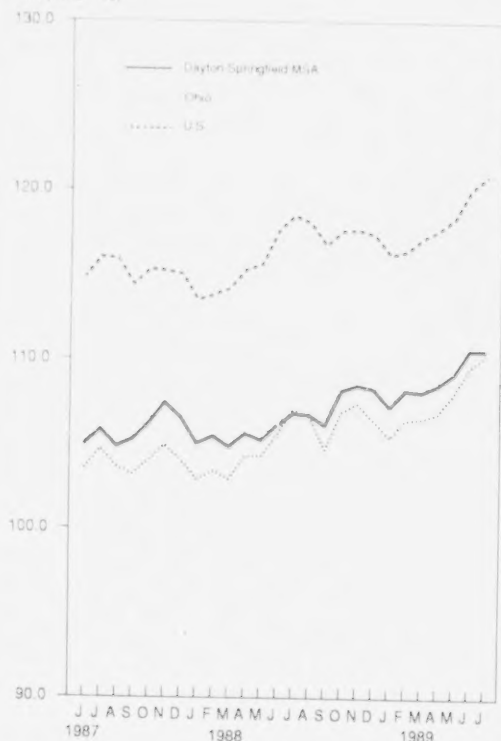
Nonagricultural payroll employment in the Dayton-Springfield metropolitan area totaled 447,900 in August 1989, increasing 700 above the July level. More business in services, construction, and retail trade outweighed additional layoffs of nonteaching personnel in state and local schools and colleges. Manufacturing employment increased 300 over the month to 104,200. The return of workers from a temporary shutdown in transportation equipment and scattered gains among producers of nondurable goods more than offset reductions in nonelectrical machinery. Factory production workers averaged \$12.69 per hour, down \$.05 from July. Their average workweek of 42.0 hours was .4 hours shorter.

Total nonfarm wage and salary employment advanced 15,300 between August 1988 and August 1989. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were services, especially business and health services, federal and local government, construction, and retail trade. Declines in rubber and miscellaneous plastics products, nonelectrical machinery, paper and allied products, and printing and publishing lowered the manufacturing workforce 100. Employment in electric and electronic equipment increased.

Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

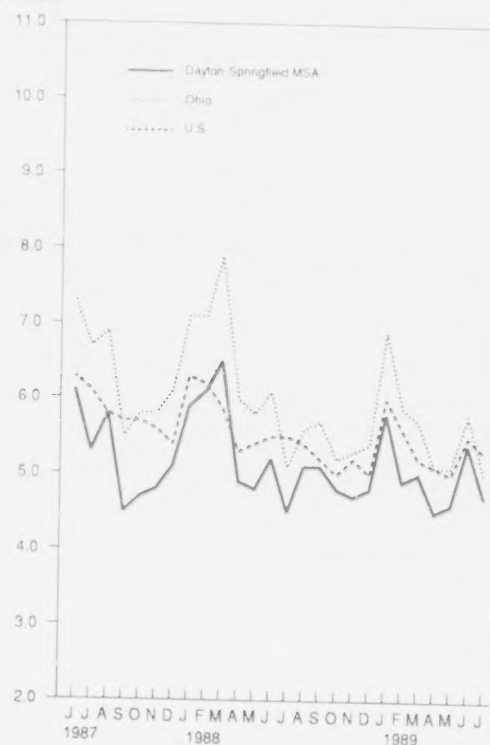
Index (1979=100)



Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

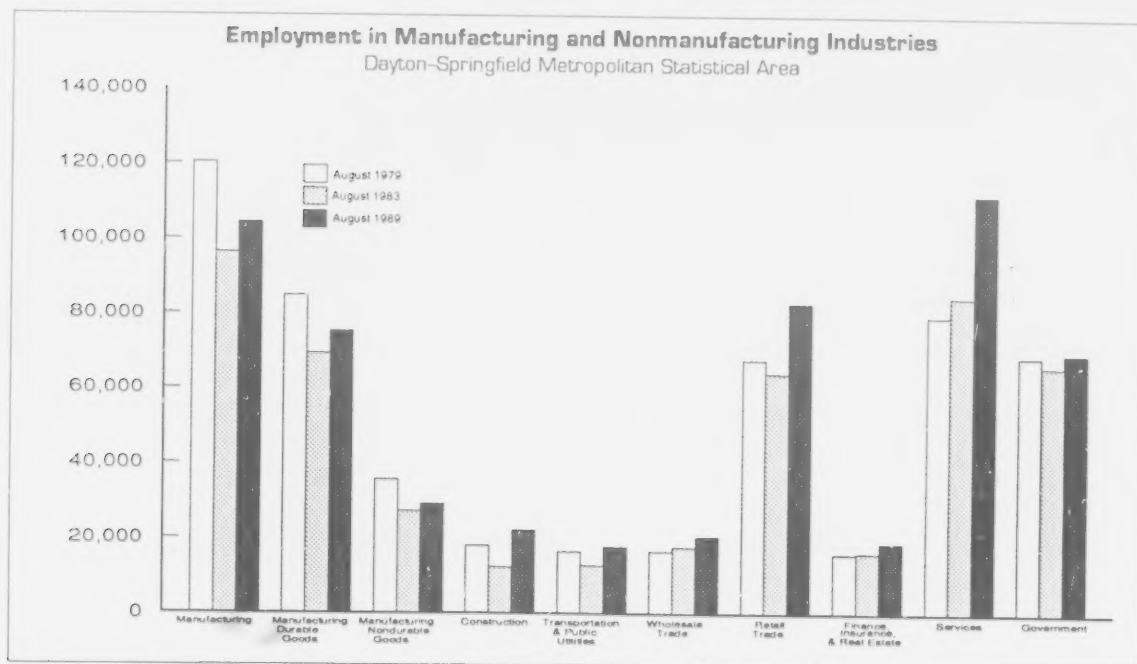
Percent



Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed			Manufacturing Employment			Manufacturing Production Workers		
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	May	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	June	451.3	105.0	67.5	554.70	43.1	12.87
485.1	462.5	22.6	4.7	July	447.2	103.8	65.9	540.18	42.4	12.74
INA	INA	INA	INA	August	447.9	104.2	66.1	532.98	42.0	12.69

INA — information not available



Dayton-Springfield MSA

**Nonagricultural
Wage and Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	447.9	447.2	432.6	.7	15.3
Manufacturing	104.2	103.8	104.3	.3	-1
Durable Goods ^e	75.1	75.0	74.7	.1	.4
Fabricated metal products	8.5	8.5	8.5	.0	.0
Machinery, except electrical	30.3	30.6	30.4	-.3	-.1
Metalworking machinery	6.7	6.7	6.6	.0	.0
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.8	5.8	5.7	.0	.1
Electrical industrial apparatus	3.4	3.4	3.2	.0	.1
Transportation equipment	20.4	20.1	20.4	.3	.0
Nondurable Goods ^f	29.1	28.9	29.6	.2	-.5
Food and kindred products	3.0	3.0	3.0	.0	.0
Paper and allied products	5.8	5.9	6.0	.0	-.1
Printing and publishing	8.8	8.7	8.9	.0	-.1
Rubber and misc. plastics products	7.4	7.5	7.8	.0	-.4
Nonmanufacturing ^g	343.7	343.4	328.3	.4	15.5
Construction	22.2	21.7	19.7	.5	2.5
Transportation and Public Utilities	17.7	17.6	17.0	.2	.7
Communication, electric, gas services	5.2	5.2	5.8	.0	-.6
Wholesale Trade	20.5	20.6	19.9	-.1	.6
Wholesale trade-durable goods	13.9	13.9	13.7	.0	.2
Retail Trade	82.9	82.4	80.5	.4	2.3
General merchandise stores	11.8	11.7	11.6	.0	.2
Finance, Insurance, and Real Estate	18.8	18.8	18.4	.0	.4
Banking	4.3	4.3	4.2	.0	.0
Credit agencies other than banks	4.8	4.9	4.8	.0	.0
Insurance carriers	3.2	3.2	3.0	.0	.2
Services	111.9	111.3	106.7	.6	5.2
Business services	28.3	28.2	26.2	.1	2.1
Health services	38.4	38.2	37.1	.2	1.3
Hospitals	19.8	19.7	19.2	.0	.6
Educational services	5.6	5.7	5.7	-.1	.0
Government	69.4	70.5	65.7	-1.1	3.7
Federal government	29.4	29.3	27.2	.1	2.2
State government	6.5	7.4	6.5	-.9	.1
State government education ^h	3.5	4.4	3.5	-.9	.0
State government, except education	3.0	3.0	3.0	.0	.0
Local government	33.4	33.8	32.0	-.3	1.4
Local government education	17.7	18.0	16.9	-.4	.8
Local government, except education	15.8	15.7	15.1	.0	.6

Dayton-Springfield MSA

Hours and Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c	Aug 1989 ^b	Jul 1989 ^c	Aug 1988 ^c
Manufacturing	\$532.98	\$540.18	\$522.44	42.0	42.4	42.2	\$12.69	\$12.74	\$12.38
Durable Goods ^e	548.23	552.97	531.68	42.4	42.7	42.5	12.93	12.95	12.51
Fabricated metal products	394.69	411.40	383.46	40.9	42.5	41.1	9.65	9.68	9.33
Machinery, except electrical	588.01	577.80	569.85	43.3	42.8	43.6	13.58	13.50	13.07
Metalworking machinery	584.77	556.86	571.14	45.9	44.8	46.7	12.74	12.43	12.23
General industrial machinery	495.38	487.82	486.86	43.8	43.4	44.1	11.31	11.24	11.04
Electric and electronic equipment	450.70	442.09	444.77	44.1	43.3	44.3	10.22	10.21	10.04
Electrical industrial apparatus	566.84	550.97	524.37	46.5	45.8	46.2	12.19	12.03	11.35
Transportation equipment	677.31	701.46	654.66	42.2	43.3	42.1	16.05	16.20	15.55
Nondurable Goods ^f	487.53	500.53	495.56	40.9	41.4	41.4	11.92	12.09	11.97
Food and kindred products	351.82	356.51	360.80	41.1	41.6	42.1	8.56	8.57	8.57
Paper and allied products	488.25	483.58	458.96	43.4	43.1	41.8	11.25	11.22	10.98
Printing and publishing	465.23	464.47	460.23	39.9	39.8	40.3	11.66	11.67	11.42
Rubber and misc. plastics products	623.69	660.55	662.34	39.3	40.8	42.0	15.87	16.19	15.77
Transportation and Public Utilities									
Communication, electric, gas services	586.30	581.26	554.45	41.7	41.4	40.5	14.06	14.04	13.69
Wholesale Trade	398.00	402.19	405.34	39.8	39.9	39.7	10.00	10.08	10.21
Retail Trade ^h	174.42	176.46	163.31	28.5	28.6	28.6	6.12	6.17	5.71
Services									
Health services									
Hospitals	385.28	382.70	363.24	34.4	34.2	34.3	11.20	11.19	10.59

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

Employment Service Program

New Applicants
Active File of Job Seekers

Referrals to Jobs
Placements

Job Openings Received
Job Openings Unfilled

Unemployment Insurance Program

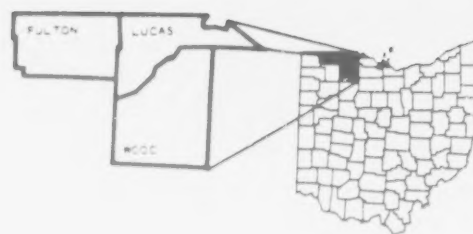
Initial Claims
Continued Claims

First Payments
Last Payments

Weeks Compensated
Benefits Paid
Average Weekly Payment

	August 1989	July 1989	August 1988
New Applicants	2,934	1,804	2,757
Active File of Job Seekers	15,940	13,334	14,385
Referrals to Jobs	4,632	1,516	3,183
Placements	3,412	788	1,694
Job Openings Received	7,630	3,668	2,792
Job Openings Unfilled	3,586	3,439	2,488
Initial Claims	5,698	4,185	4,254
Continued Claims	26,844	21,233	24,736
First Payments	2,100	1,319	1,919
Last Payments	399	439	343
Weeks Compensated	19,692	16,681	18,767
Benefits Paid	\$2,960,164	\$2,438,621	\$2,711,115
Average Weekly Payment	\$157.83	\$153.19	\$147.03

TOLEDO METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Toledo metropolitan area increased 600 above the July level to 291,200 in August 1989. More business in transportation equipment and a seasonal increase in food and kindred products helped raise the manufacturing workforce 600 over the month to 61,700. Nonmanufacturing employment was unchanged as additional layoffs of nonteaching personnel in state and local schools and colleges negated modest gains in services, transportation and public utilities, and retail trade. Factory production workers averaged \$13.26 per hour, up \$.03 from July. Their average workweek was .6 hours longer, at 43.4 hours.

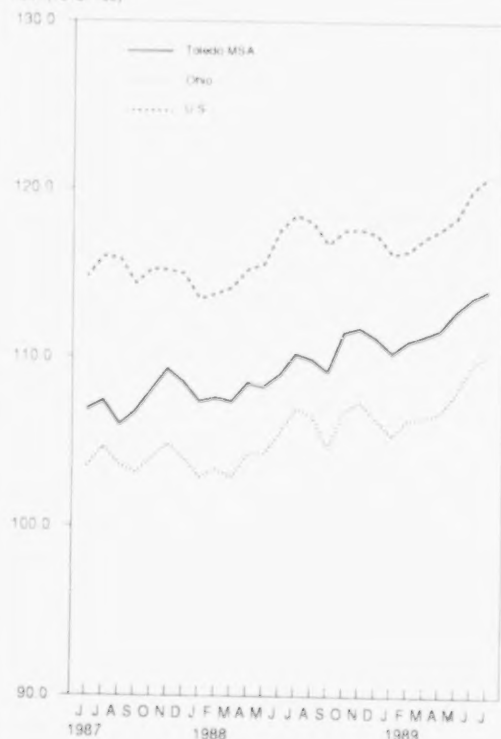
Nonagricultural wage and salary employment advanced 8,400 between August 1988 and August 1989. The leading growth industries were services (+4,000), retail trade (+3,200), and construction (+1,900). Manufacturing employment dropped 1,600 over the year. Although all major divisions declined, noteworthy reductions occurred in fabricated metal products and transportation equipment.

Indexes of Total Employment

Toledo MSA, Ohio and U.S.

[Not Seasonally Adjusted]

Index (1979=100)

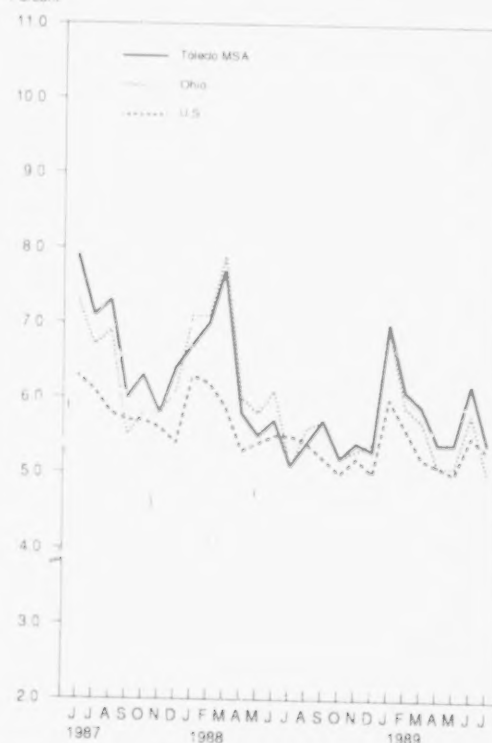


Unemployment Rates

Toledo MSA, Ohio and U.S.

[Not Seasonally Adjusted]

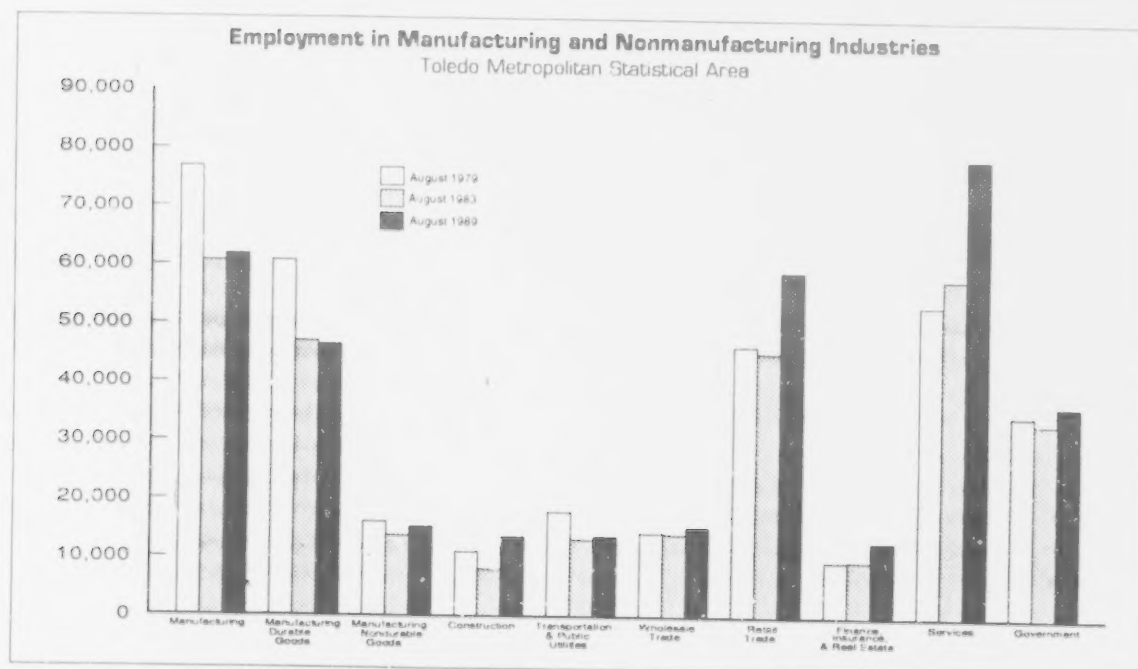
Percent



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed								
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	83.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
310.3	294.4	15.8	5.1	1988						
310.5	293.6	16.9	5.4	July	283.1	63.1	45.2	543.93	42.1	12.92
309.4	291.7	17.7	5.7	August	282.9	63.3	45.5	549.95	42.5	12.94
314.1	297.9	16.2	5.2	September	289.5	63.6	45.8	586.49	44.6	13.15
315.6	298.6	17.0	5.4	October	291.3	62.8	45.0	585.64	44.4	13.19
313.6	297.0	16.6	5.3	November	294.5	62.6	44.9	605.69	45.1	13.43
				December	292.4	62.4	44.6	589.19	44.3	13.30
317.1	294.8	22.3	7.0	1989						
315.9	296.5	19.4	6.1	January	286.6	62.0	44.4	576.39	43.6	13.22
316.0	297.3	18.7	5.9	February	285.7	61.7	44.2	598.53	44.7	13.39
315.3	298.4	16.9	5.4	March	288.5	61.4	43.9	598.09	44.6	13.41
318.7	301.5	17.2	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
323.3	303.5	19.9	6.2	May	295.2	61.4	43.9	584.75	43.9	13.32
322.2	304.8	17.4	5.4	June	294.1	62.0	44.3	572.83	43.2	13.26
INA	INA	INA	INA	July	290.7	61.1	43.4	566.24	42.8	13.23
				August	291.2	61.7	44.0	575.48	43.4	13.26

INA - information not available



Nonagricultural Wage and Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	291.2	290.7	282.9	.6	8.4
Manufacturing	61.7	61.1	63.3	.6	-1.6
Durable Goods ^e	46.4	46.1	47.6	.3	-1.2
Stone, clay, and glass products	7.6	7.5	7.8	.1	-.2
Primary metal industries	3.3	3.3	3.6	.0	-.2
Fabricated metal products	7.0	7.0	7.4	.1	-.4
Metal forgings and stampings	2.8	2.8	3.1	.0	-.3
Machinery, except electrical	5.8	5.8	5.9	.0	-.2
Electric and electronic equipment	2.0	2.1	2.2	-.1	-.1
Transportation equipment	15.6	15.3	15.8	.2	-.3
Motor vehicles and equipment	14.6	14.4	14.9	.2	-.3
Nondurable Goods ^f	15.3	15.0	15.7	.3	-.4
Food and kindred products	4.3	4.1	4.4	.2	-.1
Rubber and misc. plastics products	3.5	3.4	3.7	.1	-.2
Nonmanufacturing ^g	229.5	229.6	219.6	.0	10.0
Construction	13.5	13.4	11.6	.1	1.9
Transportation and Public Utilities	13.6	13.3	13.5	.4	.2
Trucking and warehousing	5.9	5.5	5.5	.4	.4
Communication, electric, gas services	4.8	4.8	4.8	.0	-.1
Wholesale Trade	15.3	15.4	15.0	-.1	.3
Wholesale trade-durable goods	10.3	10.4	10.0	-.1	.2
Retail Trade	59.1	58.7	55.9	.4	3.2
General merchandise stores	8.6	8.5	8.2	.1	.3
Finance, Insurance, and Real Estate	12.8	12.8	12.5	.0	.3
Banking	3.8	3.8	3.8	.0	.0
Services	78.7	78.2	74.6	.5	4.0
Business services	17.5	17.2	15.9	.2	1.6
Health services	27.8	27.8	27.1	.0	.8
Hospitals	15.2	15.2	14.9	.0	.3
Government	36.3	37.6	36.2	-1.3	.0
State government	11.8	12.6	11.6	-.9	.2
State government education	7.5	8.3	7.4	-.8	.1
State government, except education	4.3	4.3	4.2	.0	.1
Local government	21.9	22.3	22.0	-.4	-.1
Local government education	11.1	11.4	11.4	-.3	-.3
Local government, except education	10.8	10.8	10.6	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers^a

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c	Aug. 1989 ^b	Jul. 1989 ^c	Aug. 1988 ^c
Manufacturing	\$575.48	\$566.24	\$549.95	43.4	42.8	42.5	\$13.26	\$13.23	\$12.94
Durable Goods ^d	589.31	579.44	561.74	43.3	42.7	42.3	13.61	13.57	13.28
Stone, clay, and glass products	574.21	539.60	523.65	43.9	41.7	41.2	13.08	12.94	12.71
Primary metal industries	484.92	459.61	508.24	42.8	41.0	44.7	11.33	11.21	11.37
Fabricated metal products	463.09	448.26	499.32	41.2	40.9	41.3	11.24	10.96	12.09
Metal forgings and stampings	639.15	585.96	624.34	42.3	40.3	42.1	15.11	14.54	14.83
Machinery, except electrical	505.24	509.58	492.48	42.6	42.5	41.7	11.86	11.99	11.81
Electric and electronic equipment	525.43	554.19	488.78	41.9	43.5	42.1	12.54	12.74	11.61
Transportation equipment	763.99	760.16	693.60	45.1	44.9	42.5	16.94	16.93	16.32
Motor vehicles and equipment	769.86	765.99	699.18	45.1	44.9	42.4	17.07	17.06	16.49
Nondurable Goods ^e	530.86	523.93	511.69	43.8	43.3	43.4	12.12	12.10	11.79
Food and kindred products	657.07	656.93	648.57	46.9	46.1	47.1	14.01	14.25	13.77
Rubber and misc. plastics products	384.48	378.86	339.47	43.2	43.2	40.9	8.90	8.77	8.30
Transportation and Public Utilities									
Communication, electric, gas services	599.89	602.78	628.54	41.4	41.4	42.7	14.49	14.56	14.72
Wholesale Trade	416.34	414.63	396.98	40.5	40.1	39.5	10.28	10.34	10.05
Retail Trade ^f	163.26	162.68	160.11	28.1	28.0	28.9	5.81	5.81	5.54

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

Employment Service Program			
New Applicants			
Active File of Job Seekers			
Referrals to Jobs			
Placements			
Job Openings Received			
Job Openings Unfilled			
Unemployment Insurance Program			
Initial Claims			
Continued Claims			
First Payments			
Last Payments			
Weeks Compensated			
Benefits Paid			
Average Weekly Payment			

August 1989	July 1989	August 1988
2,537	1,826	2,411
19,477	17,660	17,289
1,894	1,405	2,007
785	359	787
2,605	1,021	1,410
1,511	905	1,629
3,029	4,430	3,420
21,459	19,927	18,400
1,566	1,506	1,558
348	357	262
17,792	14,679	13,795
\$2,844,241	\$2,300,608	\$1,993,002
\$168.65	\$164.43	\$147.44

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



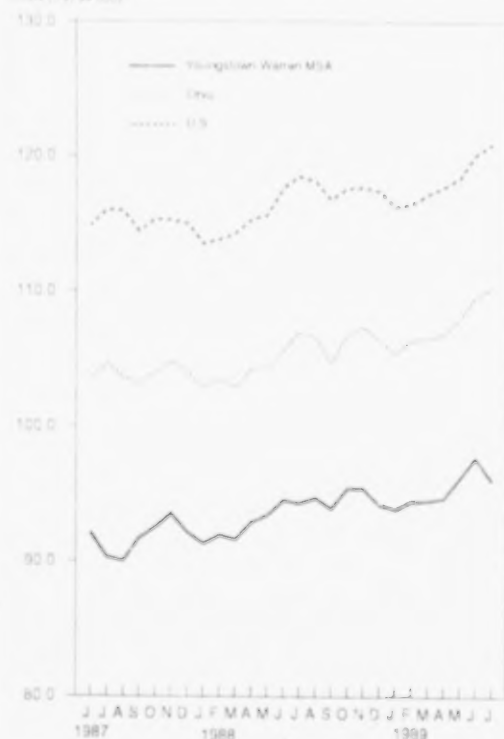
In the Youngstown-Warren metropolitan area, nonagricultural payroll employment increased 4,800 above the July level to 199,000 in August 1989. The return of workers from a temporary shutdown in transportation equipment raised manufacturing employment 4,200 to 48,900. Nonmanufacturing employment gained 700 over the month due to marginal improvements in construction and retail trade. Factory production workers averaged \$13.96 per hour, up \$.24 from July. Their average workweek of 42.0 hours was .3 hours shorter.

Total nonfarm wage and salary employment advanced 5,200 between August 1988 and August 1989. Noteworthy expansion occurred in services (+2,700), retail trade (+1,800), and construction (+1,100). The manufacturing workforce lost 1,400 jobs during the period due to a significant reduction in primary metal industries and modest declines in fabricated metal products, transportation equipment, and electric and electronic equipment. Employment in nonelectrical machinery increased.

Indexes of Total Employment

Youngstown-Warren MSA (1980 and 1985) (Not Seasonally Adjusted)

Index (1979=100)

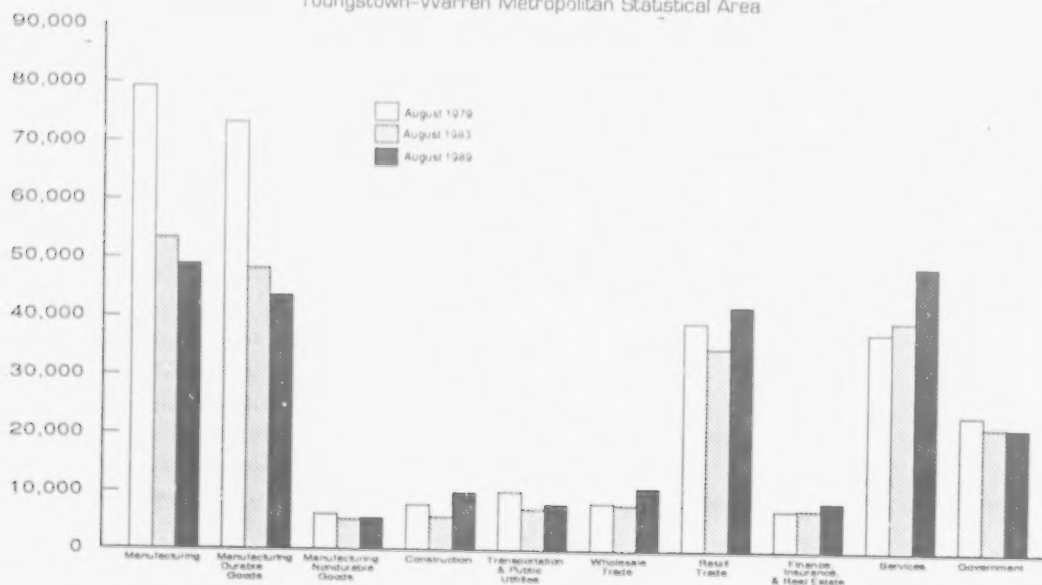


Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment						
Total	Employed	Unemployed					Manufacturing Employment		Manufacturing Production Workers		
		Total	Rate					Hours & Earnings			
				Average Weekly Earnings				Average Weekly Hours	Average Hourly Earnings		
235.2	217.5	17.7	- 7.5	1978	210.3	79.4	62.5	\$353.56	41.4	\$ 8.54	
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27	
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27	
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62	
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72	
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38	
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84	
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24	
223.7	200.0	23.7	-10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30	
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30	
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52	
				1988							
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43	
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40	
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59	
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63	
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68	
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66	
				1989							
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79	
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68	
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71	
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76	
225.1	211.5	13.6	6.0	May	200.0	50.1	38.1	600.66	43.4	13.84	
230.2	214.9	15.3	6.7	June	201.2	50.2	38.2	588.39	42.3	13.91	
224.7	211.1	13.6	6.1	July	194.2	44.7	32.7	580.36	42.3	13.72	
INA	INA	INA	INA	August	199.0	48.9	36.8	586.32	42.0	13.96	

INA - information not available

Employment in Manufacturing and Nonmanufacturing Industries
Youngstown-Warren Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment^a

Youngstown-Warren MSA

	Employment (in thousands)			Change ^d (in thousands)	
	August 1989 ^b	July 1989 ^c	August 1988 ^c	From Last Month	From Last Year
Total	199.0	194.2	193.8	4.8	5.2
Manufacturing	48.9	44.7	50.3	4.2	-1.4
Durable Goods ^e	43.5	39.5	44.9	4.0	-1.4
Primary metal industries	17.8	17.6	18.8	.2	-1.0
Blast furnace and basic steel products	5.5	5.5	5.8	-.1	-.3
Fabricated metal products	7.0	7.0	7.3	.0	-.3
Machinery, except electrical	3.9	4.0	3.7	.0	.2
Electric and electronic equipment	2.2	2.2	2.3	.0	-.1
Transportation equipment	9.4	5.5	9.5	3.9	-.2
Nondurable Goods ^f	5.3	5.2	5.4	.1	.0
Nonmanufacturing ^g	150.1	149.4	143.4	.7	6.7
Construction	9.8	9.5	8.7	.3	1.1
Transportation and Public Utilities	7.9	7.8	7.6	.0	.2
Communication, electric, gas services	2.8	2.8	2.9	.0	-.2
Wholesale Trade	10.8	10.7	10.4	.1	.3
Wholesale trade-durable goods	6.9	6.9	6.7	.0	.2
Retail Trade	41.9	41.7	40.1	.2	1.8
General merchandise stores	5.1	5.2	5.2	.0	.0
Finance, Insurance, and Real Estate	8.5	8.4	8.5	.0	.0
Banking	2.8	2.8	2.8	.0	.0
Services	49.0	49.1	46.3	-.1	2.7
Health services	21.3	21.2	20.7	.1	.6
Hospitals	11.1	11.0	10.7	.0	.3
Government	21.5	21.4	21.0	.1	.5
State government	3.4	3.4	3.4	-.1	.0
State government education ^h	1.8	1.9	1.8	.0	.0
State government, except education	1.6	1.6	1.6	.0	.0
Local government	16.0	15.8	15.6	.1	.4
Local government education	9.2	9.2	9.1	.0	.1
Local government, except education	6.8	6.7	6.5	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers^a

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug 1987 ^a	Jul 1988 ^b	Aug 1988 ^c	Aug 1987 ^a	Jul 1988 ^b	Aug 1988 ^c	Aug 1987 ^a	Jul 1988 ^b	Aug 1988 ^c
Manufacturing	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Durable Goods ^e	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Primary metal industries	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Blast furnace and basic steel products	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Fabricated metal products	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Machinery, except electrical	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Electric and electronic equipment	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Transportation equipment	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Nondurable Goods ^f	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Transportation and Public Utilities	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Communication, electric, gas services	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Wholesale Trade	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40
Retail Trade ^h	\$14.45	\$14.45	\$14.45	42.3	41.6	\$13.96	\$13.96	\$13.72	\$13.40

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; softwares and related products; miscellaneous manufacturing. ^eIncludes food and kindred products; tobacco and kindred products; textile mill products; apparel and other textile products; paper and allied products; printing and allied products; rubber and miscellaneous plastic products; leather and leather products. ^fIncludes mining. ^gMoney payments only; tips not included. ^hIncludes State government, Federal government, agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱIncludes management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	August 1989	July 1989	August 1988
Employment Service Program			
New Applicants	4,576	1,689	2,973
Active File of Job Seekers	24,906	22,001	17,000
Referrals to Jobs	1,574	1,074	1,491
Placements	371	245	372
Job Openings Received	1,454	806	717
Job Openings Unfilled	857	890	1,648
Unemployment Insurance Program			
Initial Claims	3,071	7,156	3,369
Continued Claims	18,060	20,405	17,947
First Payments	1,024	1,704	1,735
Last Payments	267	281	232
Weeks Compensated	15,890	14,049	14,252
Benefits Paid	\$1,347,358	\$2,051,633	\$2,043,692
Average Weekly Payment	\$138.61	\$155.47	\$146.27

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	2
Manufacturing	57	3
Nonmanufacturing	38	2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	3
Wholesale Trade	22	4
Retail Trade	21	4
Finance, Insurance, and Real Estate	43	3
Services	34	3
Government	71	2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow.

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues, also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio			
	August 1989	July 1989	August 1988
New Applicants	43,692	27,022	41,677
Active File of Job Seekers	295,274	263,145	260,482
Counseling Interviews	807	456	1,422
Tests Administered	1,638	1,097	3,262
General Aptitude Tests	96	70	223
Proficiency Tests	402	280	400
Specific Aptitude Tests	192	95	296
Referrals to Jobs	30,703	19,261	35,536
Placements	11,687	7,551	10,279
Job Openings Received	44,961	26,936	20,060
Job Openings Unfilled	24,892	24,355	31,465

Selected Unemployment Insurance Activities

Ohio			
	August 1989	July 1989	August 1988
Initial Claims	50,739	62,654	50,357
Continued Claims	343,575	323,079	345,821
First Payments	23,255	21,828	24,581
Last Payments	6,004	6,155	5,591
Average Weekly Claimants	72,760	76,168	73,328
Average Weekly Benefit Recipients	59,744	60,480	58,646
Weeks Compensated	282,116	248,345	264,289
Benefits Paid	\$43,065,986	\$37,618,942	\$39,148,040
Average Weekly Payment	\$159.68	\$158.76	\$151.17
Continued Claims for Survey Week	70,095	84,759	70,093
Insured Unemployment Rate	1.6	1.7	1.7
Net Contributions	NA	\$61,006,917	\$148,460,982
Active Employer Accounts	204,563	204,637	200,659

NA = Not Available

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LABOR MARKET INFORMATION DIVISION
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Official Business
Penalty for Private Use \$300



Postage and Fees Paid
Employment Security Mail
Lab 441

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 644-2689.

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